

Regulations for Enforcement of the Air Pollution Control Act

(Order of the Ministry of Health and Welfare, Ministry of International Trade and Industry No. 1 of June 22, 1971)

In accordance of the Air Pollution Control Act (Act No. 97 of 1968), in order to implement that Act, a ministerial order to amend the Ministerial Order for Enforcement of the Air Pollution Control Act (Order of the Ministry of Health and Welfare, Ministry of International Trade and Industry No. 1 of June 22, 1971) in its entirety is hereby established.

(Terms)

Article 1 The terms used in this Ministerial Order have the same meanings the terms used in the Air Pollution Control Act (Act No.97 of 1968; referred to as "the Act" below) and the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No.329 of 1968; referred to as "the Order" below).

(Heat Transmission Area)

Article 2 The calculation method of the heat transmission area as stated in row (xxii) in the right column of the Appended Table 1 of the Order is as prescribed in the section of heat transmission area in Japanese Industrial Standards (JIS) B8201 and B8203.

(Sulfur Oxide Emission Standards)

Article 3 (1) The emission standard for sulfur oxides under Article 3, paragraph (1) of the Act is the amount of sulfur oxides calculated based on the following formula:

$$q=K\times10^{-3}He^2$$

(In this formula, the symbols "q", "K", and "He" represent the following values:

q: the amount of sulfur oxides (unit: cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

K: the value stated in the right column of row (i) of Appended Table 1 for each region specified by Cabinet Order as referred to in Article 3, paragraph (2), item (i) of the Act

He: the outlet height as adjusted in the way prescribed in the following paragraph (unit: meters))

(2) The adjustment of outlet heights provided for in Article 3, paragraph (2), item (i) of the Act is based on the following formulae:

$$He=Ho+0.65(Hm+Ht)$$

$$H_m = 0.795 \sqrt{(Q \cdot V) / (1 + (2.58/V))}$$

$$H_t = 2.01 \times 10^{-3} \cdot Q \cdot (T - 288) \cdot (2.30 \log J + (1/J) - 1)$$

$$J = (1 / \sqrt{(Q \cdot V) / (1460 - 296 \times (V / (T - 288)))) + 1$$

(In these formulae, the symbols "He", "Ho", "Q", "V" and "T" represent the following values:

He: the adjusted height of the outlet (unit: meters)

Ho: the actual height of the outlet (unit: meters)

Q: the amount of emission gases at a temperature of 15 degrees Celsius (unit: cubic meters per second)

V: the discharge rate of the emission gases (unit: meters per second)

T: the temperature of the emission gases (unit: absolute temperature))

(Dust Emission Standards)

Article 4 The dust emission standard under Article 3, paragraph (1) of the Act is the amount stated in the fourth column of Appended Table 2 regarding dust included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the second column of that table and for each scale of the facilities stated in the third column of that table.

(Hazardous Substance Emission Standards)

Article 5 The hazardous substance emission standards under Article 3, paragraph (1) of the Act (excluding standards for designated hazardous substances) are as stated in each of the following items for the types of the hazardous substances stated in those items, which are included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard pressure unit:

(i) the hazardous substances as stated in Article 1, items (i) through (iv) of the Order: the amount of the hazardous substances stated in the fourth column of Appended Table 3 for each type of the substances stated in the second column of that table and each type of the facilities stated in the third column of that table;

(ii) nitrogen oxides: the amount of nitrogen oxides stated in the fourth column of Appended Table 3-2 for each type of the facilities stated in the second column of that table (excluding facilities using electricity as heat source) and each scale of the facilities stated in the third column of that table.

(Standards for Facilities Emitting Mercury)

Article 5-2 The standard established by Order of the Ministry of the Environment as referred to in Article 3-5 of the Order is that the relevant facility falls under the type and scale of the facilities stated in the middle

column of Appended Table 3-3.

(Calculation Method)

Article 6 (1) The calculation of values provided for by Order of the Ministry of the Environment as referred to in Article 6, paragraph (2) of the Order is as stated in items (i) through (iii) for sulfur oxides, and as stated in item (iv) for dust:

- (i) the hourly value of sulfur oxides is to be measured by using a conductometric instrument for measuring sulfur oxides and by drawing in air with the instrument continuously for one hour;
 - (ii) the one-day average of hourly values of sulfur oxides is to be obtained by an arithmetic average of all the values measured during all valid measurement hours in a day (but only if this is at least 20 hours);
 - (iii) if sulfur oxides have not been measured continuously on every day throughout a year (but only if the total number of valid measurement days in the year is 250 or more), the number of days prescribed in Article 6, paragraph (1), item (i) of the Order is to be replaced with a number arrived at when the total number of valid measurement days in the year is divided by the total number of days in the year, and the remaining number after the division is multiplied by the number of days prescribed in Article 6, paragraph (1), item (i) of the Order;
 - (iv) the year's average value for the amount of dust in the atmosphere is to be obtained by an arithmetic average of all the values measured once a month or more often by drawing in air with a sampler for 24 consecutive hours or more in principle, when using a high volume air sampler or a low volume air sampler, or is to be obtained by an arithmetic average of all the values measured during all valid measurement hours (but only if this is at least 6,000 hours), when using a light scattering instrument.
- (2) In applying the provisions of Article 3, paragraph (3) of the Act, a value is to be measured at two measurement points for two years, in principle.

(Special Emission Standards)

Article 7 (1) The sulfur oxide emission standard under Article 3, paragraph (3) of the Act in the area as stated in Appended Table 4 is the amount of sulfur oxides calculated by using the formula referred to in Article 3, paragraph (1) of this Ministerial Order, and using the value stated in the following items for an area stated in that item as the value "K":

- (i) the areas stated in items (iv), (v), (ix), (xi), (xiii) and (xv) of Appended Table 4: 1.17;
- (ii) the areas stated in items (iii), (viii), (x), (xiv), (xvi), (xvii), (xviii) and (xxvi) of Appended Table 4: 1.75; and

- (iii) the areas stated in items (i), (ii), (vi), (vii), (xii), (xix), (xx), (xxi), (xxii), (xxiii), (xxiv), (xxv), (xxvii) and (xxviii) of Appended Table 4: 2.34.
- (2) The dust emission standard under Article 3, paragraph (3) of the Act in an area as stated in Appended Table 5 is the amount stated in the fifth column of Appended Table 2 regarding dust included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the second column of that table and each scale of the facilities stated in the third column of that table.

(Standards for Scale of Specified Factories)

- Article 7-2 (1) For sulfur oxides, the standards specified by Order of the Ministry of the Environment as referred to in Article 5-2, paragraph (1) of the Act are that the amount of raw materials and fuels used at all of the facilities generating soot or smoke involving sulfur oxides, which are installed at a factory or place of business, is 0.1 kiloliter or more but 1.0 kiloliter or less per hour when converted into the equivalent amount of heavy oil.
- (2) For nitrogen oxides, the standards specified by Order of the Ministry of the Environment as referred to in Article 5-2, paragraph (1) of the Act are that the amount of raw materials and fuel used at all facilities generating soot and smoke involving nitrogen oxides, which are installed at a factory or place of business, is 1 kiloliter or more but 10 kiloliters or more per hour when converted into the equivalent amount of heavy oil in consideration of things such as the emission characteristics of nitrogen oxides depending on the type of facilities generating soot or smoke.
- (3) The equivalency conversion referred to in the preceding two paragraphs is as prescribed by the Minister of the Environment for each type of raw material and fuel.

(Total Emission Regulation Standards)

- Article 7-3 (1) The total emission regulation standards for sulfur oxides are to be established regarding the amount of sulfur oxides specified in either of the following items:
- (i) the amount of sulfur oxides determined by calculating as follows: an increase in the amount of the raw materials and fuel being consumed at all of the facilities generating soot or smoke involving sulfur oxides, which are installed at a specified factory or place of business, causes an increase in the amount of sulfur oxides permissible to be emitted, but also causes a gradual decrease in the amount of the increment which is added for each increase in the amount of the raw materials and fuel being consumed there; or
 - (ii) the amount of sulfur oxides determined by calculating as follows: the

maximum polymerized concentration rate of sulfur dioxide above the ground will become the constant value for all specified factories and places of business located in the designated region, when that rate is measured by the prescribed means regarding sulfur oxides being emitted from all of the facilities generating soot or smoke involving sulfur oxides, which are installed at the specified factories or places of business (that rate is referred to as the "maximum polymerized concentration above the ground" below); provided, however, that it is permissible to determine the amount of sulfur oxides by calculating using a certain special value in place of the constant value, if three or more specified factories or places of business are close to each other, and it is found to be appropriate to treat those factories or places as one specified factory or place of business.

- (2) For sulfur oxides, the total emission regulation standards referred to in Article 5-2, paragraph (1) of the Act are to be established by using a formula based on the formula prescribed in item (i), if the standards are established regarding the amount of sulfur oxides stated in item (i) of the preceding paragraph, and by using the formula prescribed in item (ii) of the preceding paragraph, if the standards are established regarding the amount of sulfur oxides stated in item (ii) of the preceding paragraph:

(i) $Q = a \cdot W^b$

(In this formula, the symbols "Q", "W", "a", and "b" represent the following values:

Q: the amount of sulfur oxides allowed to be emitted (unit: cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

W: the amount of raw materials and fuel used at all of the facilities generating soot or smoke involving sulfur oxides, which have been installed in a specified factory or place of business (unit: kiloliters per, when converted into the equivalent amount of heavy oil as prescribed paragraph (3) of the preceding Article)

a: the constant which the prefectural governor sets so that the target amount of reduction can be achieved

b: the constant which the prefectural governor sets within the scope of 0.80 or more and less than 1.0, in consideration of the status of distribution of specified factories and places of business of each scale in the designated region and actual conditions of use of raw materials or fuel)

(ii) $Q = (C_m / C_{m0}) \cdot Q_0$

(In this formula, the symbols "Q", "Q₀", "C_m", and "C_{m0}" represent the following values:

Q: the amount of sulfur oxides allowed to be emitted (unit: cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1

standard atmosphere unit)

Qo: the amount of sulfur oxides emitted from all of the facilities generating soot or smoke involving sulfur oxides, which have been installed in a specified factory or place of business (unit: cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

Cm: the maximum polymerized concentration rate above the ground which the prefectural governor sets so that the target amount of reduction can be achieved (unit: parts per million by volume); provided, however, that if the calculation is made using a certain special value pursuant to the proviso to item (ii) of the preceding paragraph, the "Cm" for the three or more specified factories or places of business is to be established so that the total of the "Cm" exceeds 1.5 times but does not exceed 2 times the maximum polymerized concentration rate above the ground which the prefectural governor sets

Cmo: the maximum polymerized concentration above the ground regarding the "Qo" (unit: parts per million by volume))

- (3) For sulfur oxides, the special total emission regulation standards referred to in Article 5-2, paragraph (3) of the Act are to be established by using a formula based on the formula stated in item (i), if those special total emission regulation standards are replacing the total emission regulation standards referred to in paragraph (1) of that Article for sulfur oxides as established pursuant to Article 1, paragraph (1) of this Ministerial Order, and based on the formula stated in item (ii), if those special total emission regulation standards are replacing the total emission regulation standards referred to in Article 5-2, paragraph (1) of the Act as established pursuant to Article 1, paragraph (1), item (ii) of this Ministerial Order:

(i) $Q = a \cdot W^b + r \cdot a \{ (W + W_i)^b - W^b \}$

(In this formula, the symbols "Q", "W", "Wi", "a", "b", and "r" represent the following values:

Q: the amount of sulfur oxides allowed to be emitted (unit: cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

W: the amount of raw materials and fuel used at all of the facilities generating soot or smoke involving sulfur oxides, which have been installed in a specified factory or place of business (excluding the "Wi") (unit: kiloliters per hour, when converted into the equivalent amount of heavy oil as prescribed in paragraph (3) of the preceding Article)

Wi: the amount of raw materials and fuel used at all of the facilities generating soot or smoke involving sulfur oxides, which will be installed in a specified factory or place of business after the date specified by the

prefectural governor (unit: kiloliters per hour, when converted into the equivalent amount of heavy oil as prescribed in paragraph (3) of the preceding Article)

a: the constant which the prefectural governor sets so that the target amount of reduction can be achieved (this is to be the same value as the "a" used in the formula referred to in item (i) of the preceding paragraph)

b: the constant which the prefectural governor sets within the scope of 0.80 or more and less than 1.0, in consideration of the status of distribution of specified factories and places of business of each scale in the designated region and actual conditions of use of raw materials or fuel (this is the same value as the "b" used in the formula referred to in item (i) of the preceding paragraph)

r: the constant which the prefectural governor sets within the scope of 0.3 or more and not more than 0.7, in consideration of things such as shifts in the establishment status of specified factories and places of business in the designated region)

(ii) $Q=r \cdot (C_m/C_{mi}) \cdot Q_i$

However, for a specified factory or place of business in which a facility generating soot or smoke involving sulfur oxides has been newly installed (including those which newly become a specified factory or place of business through installation or change of something such as the structure of a facility generating soot or smoke involving sulfur oxides), this formula is replaced with the following formula:

$$Q=(C_m/(C_{mo}+C_{mi}))(Q_o+Q_i)$$

(In this formula, the symbols "Q", "Q_i", "Q_o", "C_m", "C_{mi}", "C_{mo}", and "r" represent the following values:

Q: the amount of sulfur oxides allowed to be emitted (unit: cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

Q_i: the amount of sulfur oxides emitted from all of the facilities generating soot or smoke involving sulfur oxides, which will be installed in a specified factory or place of business after the date specified by the prefectural governor (unit: cubic meters per hour, when measured under the conditions of 0 degree Celsius and 1 standard atmosphere unit)

Q_o: the amount of sulfur oxides emitted from all of the units generating soot or smoke involving sulfur oxides, which have been installed in a specified factory or place of business (excluding the "Q_i") (unit: cubic meters per hour, when measured under the conditions of 0 degree Celsius and 1 standard atmosphere unit)

C_m: the maximum polymerized concentration rate above the ground which the prefectural governor sets so that the target amount of reduction can be

achieved (unit: parts per million by volume) (this is the same value as the "Cm" which has been set as the constant value being used in the formula referred to in item (ii) of the preceding paragraph); provided, however, that if the calculation is made using a special value pursuant to the proviso to paragraph (1), item (ii), the "Cm" for the three or more specified factories or places of business is to be established so that the total of the "Cm" exceeds 1.5 times but does not exceed 2 times the maximum polymerized concentration rate above the ground that the prefectural governor sets;

Cmi: the maximum polymerized concentration rate above the ground for the "Qi" (unit: parts per million by volume); provided, however, that the "Cmi" in the formula referred to in the proviso is the increase in the maximum polymerized concentration rate above the ground of the specified factory or place of business for that "Qi".

Cmo: the maximum polymerized concentration above the ground for that "Qo" (unit: parts per million by volume)

r: the constant which the prefectural governor sets within the scope of 0.3 or more and 0.7 or less, in consideration of things such as shifts in the establishment status of specified factories and places of business in the designated region)

- (4) If it is difficult for a prefectural governor to abide by the provisions of paragraph (1), the prefectural governor may establish the total emission regulation standards for sulfur oxides as separately specified by the Minister of the Environment.

Article 7-4 (1) The total emission regulation standards for nitrogen oxides are to be established regarding the amount of nitrogen oxides specified in either of the following items:

- (i) the amount of nitrogen oxides determined by calculating as follows: an increase in the amount of the raw materials and fuel being consumed at all of the facilities generating soot or smoke involving nitrogen oxides, which are installed at a specified factory or place of business, causes an increase in the amount of nitrogen oxides permissible to emitted, but also causes a gradual decrease in the amount of the increment which is added for each increase in the amount of the raw materials and fuel being consumed there; or
- (ii) the amount of nitrogen oxides determined by calculating as follows: the amount of emission gases coming from all the facilities generating soot or smoke involving nitrogen oxides, which have been installed at a specified factory or place of business, is multiplied by the facility coefficient specified for each type of facilities generating soot or smoke, and the total amount of that multiplication is processed in a reasonable manner, by taking into consideration the status of distribution of the specified factories and places of

business of each scale in the designated region or other factors, and the result of that process is multiplied by the reduction constant.

- (2) For nitrogen oxides, the total emission regulation standards referred to in Article 5-2, paragraph (1) of the Act are to be established by using a formula based on the formula stated in item (i), if the standards are established regarding the amount of nitrogen oxides stated in item (i) of the preceding paragraph, and by using the formula stated in item (ii), if the standards are established regarding the amount of nitrogen oxides stated in item (ii) of the preceding paragraph:

(i) $Q=a \cdot W^b$

(In this formula, the symbols "Q", "W", "a", and "b" represent the following values:

Q: the amount of nitrogen oxides allowed to be emitted (unit: cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

W: the amount of raw materials and fuel used at all of the facilities generating soot or smoke involving nitrogen oxides, which have been installed in a specified factory or place of business (unit: kiloliters per hour, when converted into the equivalent amount of heavy oil as prescribed in Article 7-2, paragraph (3))

a: the constant which the prefectural governor sets so that the target amount of reduction can be achieved

b: the constant which the prefectural governor sets within the scope of 0.80 or more and less than 1.0, in consideration of the status of distribution of specified factories and places of business of each scale in the designated region, and actual conditions of use of raw materials or fuel)

(ii) $Q=\kappa\{\Sigma(C \cdot V)\}^l$

(In this formula, the symbols "Q", "C", "V", "κ", and "l" represent the following values:

Q: the amount of nitrogen oxides allowed to be emitted (unit: cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

C: the facility coefficient which the prefectural governor sets for each type of the facility generating soot or smoke involving nitrogen oxides

V: the amount of emission gases for each of the facilities generating soot or smoke involving nitrogen oxides, which have been installed in a specified factory or place of business (unit: tens of thousands of cubic meters per hour, when under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

κ: the reduction constant which the prefectural governor sets so that the target amount of reduction can be achieved

- l: the constant which the prefectural governor sets within the scope of 0.80 or more and less than 1.0, in consideration of things such as the status of distribution of specified factories and places of business of each scale in the designated region and the emission characteristics of nitrogen oxides)
- (3) For nitrogen oxides, the special total emission regulation standards referred to in Article 5-2, paragraph (3) of the Act are to be established by using a formula based on the formula stated in item (i), if those special total emission regulation standards are replacing the total emission regulation standards referred to in paragraph (1) of that Article regarding nitrogen oxides as established pursuant to paragraph (1), item (i) of this Article, and based on the formula stated in item (ii), if those special total emission regulation standards are replacing the total emission regulation standards referred to in Article 5-2, paragraph (1) regarding nitrogen oxides as established pursuant to paragraph (1), item (ii) of this Article:
- (i) $Q = a \cdot W^b + r \cdot a \{ (W + W_i)^b - W^b \}$
- (In this formula, the symbols "Q", "W", "Wi", "a", "b", and "r" represent the following values:
- Q: the amount of nitrogen oxides allowed to be emitted (unit: cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)
- W: the amount of raw materials and fuel used at all of the facilities generating soot or smoke involving nitrogen oxides, which have been installed in a specified factory or place of business (excluding the "Wi") (unit: kiloliters per hour, when converted into the equivalent amount of heavy oil as prescribed in Article 7-2, paragraph (3))
- Wi: the amount of raw materials and fuel used at all of the facilities generating soot or smoke involving nitrogen oxides, which will be installed in a specified factory or place of business after the date specified by the prefectural governor (unit: kiloliters per hour, when converted into the equivalent amount of heavy oil as prescribed in Article 7-2, paragraph (3))
- a: the constant which the prefectural governor sets so that the target amount of reduction can be achieved (this is the same value as the "a" which is used in the formula under item (i) of the preceding paragraph)
- b: the constant which the prefectural governor sets within the scope of 0.80 or more and less than 1.0, in consideration of the status of distribution of specified factories and places of business of each scale in the designated region, and actual condition of use of raw materials or fuel (this is the same value as the "b" which is used in the formula referred to in item (i) of the preceding paragraph)
- r: the constant which the prefectural governor sets within the scope of 0.3 or more and 0.7 or less, in consideration of things such as shifts in the

establishment status of specified factories and places of business in the designated region)

(ii) $Q = \kappa \{ \Sigma(C \cdot V) + \Sigma(C_i \cdot V_i) \} l$

(In this formula, the symbols "Q", "C", "C_i", "V", "V_i", "κ", and "l" represent the following values:

Q: the amount of nitrogen oxides allowed to be emitted (unit: cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

C: the facility coefficient which the prefectural governor sets for each type of the facilities generating soot or smoke involving nitrogen oxides (this is the same value as the "C" which is used in the formula referred to in item (ii) of the preceding paragraph)

C_i: the facility coefficient which the prefectural governor sets for each type of the facilities generating soot or smoke involving nitrogen oxides, which will be installed in a specified factory or place of business after the date referred to in the "V_i" specified by the prefectural governor

V: the amount of emission gases for each of the facilities generating soot or smoke involving nitrogen oxides, which have been installed in a specified factory or place of business (excluding those to be installed after the date specified by a prefectural governor referred to in the "V_i") (unit: tens of thousands of cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

V_i: the amount of emission gases for each of the facilities generating soot or smoke involving nitrogen oxides, which will be installed in a specified factory or place of business after the date specified by the prefectural governor (unit: tens of thousands of cubic meters per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit)

κ: the reduction constant which the prefectural governor sets so that the target amount of reduction can be achieved (this is the same value as the "κ" used in the formula referred to in item (ii) of the preceding paragraph)

l: the constant which the prefectural governor sets within the scope of 0.80 or more and less than 1.0, in consideration of things such as the status of distribution of specified factories and places of business of each scale in the designated region and the emission characteristics of nitrogen oxides (this is the same value as the "l" used in the formula under item (ii) of the preceding paragraph))

(4) The value of "C" to be used in the formula referred to in paragraph (2), item (ii), and the values of "C" and "C_i" to be used in the formula referred to in item (ii) of the preceding paragraph are to be established for each type of the facilities generating soot or smoke involving nitrogen oxides, as specified by the Minister of the Environment.

- (5) If it is difficult for a prefectural governor to abide by the provisions of paragraph (1), the prefectural governor may establish total emission regulation standards for nitrogen oxides as separately prescribed by the Minister of the Environment.

(Method of Measurement)

Article 7-5 (1) If the total emission regulation standards for sulfur oxides are applicable, the amount of sulfur oxides is to be measured in the manner prescribed in the remarks of Appended Table 1.

- (2) If the total emission regulation standards are applicable, the amount of nitrogen oxides is to be obtained by measuring and calculating the concentration rate of nitrogen oxides through the means specified by Japanese Industrial Standard K0104 and the amount of emission gases through the means specified by Japanese Industrial Standard Z8808; or through the means specified by the Minister of the Environment.

(Calculation of the Total Amount of Designated Soot and Smoke)

Article 7-6 (1) The total amount prescribed in Article 5-3, paragraph (1), item (iii) of the Act is to be calculated using materials which describe the matters stated in the following items, for the purpose of obtaining an estimation by using the air pollution prediction method regarding what the concentration rate of designated soot and smoke will be in the designated region after the period for carrying out the plan for reducing the total amount of the designated soot and smoke has passed, if no reduction stated in that plan has been achieved, and ensuring the concentration rate of the designated soot and smoke in that designated region meets the air environment standards:

- (i) weather conditions such as wind direction and wind velocity;
 - (ii) the location of the source generating the designated soot and smoke, the height of the outlet, and other conditions;
 - (iii) the status of emission of the designated soot and smoke;
 - (iv) the status of sources generating the designated soot and smoke, in areas which are other than the designated region itself, but effect that designated region, and the emission status;
 - (v) other matters needed to calculate the total amount of the designated soot and smoke.
- (2) The air pollution prediction method referred to in the preceding paragraph must be one which makes the relationship between the emission of designated soot and smoke and the atmospheric air pollution due to designated soot and smoke, scientifically and reasonably clear by employing theoretical calculation based on the atmospheric air diffusion formula by using computers and other devices, or by conducting experiments using models and other equipment, and

which also has been verified as being able to provide an estimation about air pollution which matches the air pollution status actually measured to a considerable extent when they are compared with each other.

(Filing a Notification of the Installation of a Facility Generating Soot or Smoke)

- Article 8 (1) The relevant person must file a notification under Article 6, paragraph (1), Article 7, paragraph (1), or Article 8, paragraph (1) of the Act using a written notification based on Form 1.
- (2) The matters specified by Order of the Ministry of the Environment as referred to in Article 6, paragraph (2) of the Act (including as applied *mutatis mutandis* pursuant to Article 7, paragraph (2), and Article 8, paragraph (2) of the Act) are as follows:
- (i) how the soot or smoke is emitted;
 - (ii) the site where the facility generating soot or smoke and the soot or smoke processing facility are installed;
 - (iii) an outline of operation system associated with the generation of soot or smoke and the processing of soot or smoke;
 - (iv) the location of a measurement area for emission gases within the smoke duct, if any; and
 - (v) telephone numbers or other means for reaching an emergency contact.

(Filing a Notification of the Installation of a Facility Emitting Volatile Organic Compounds)

- Article 9 (1) The relevant person must file the notification under Article 17-5, paragraph (1), Article 17-6, paragraphs (1), and Article 17-7, paragraph (1) of the Act using a written notification based on Form 2.
- (2) The matters specified by Order of the Ministry of the Environment referred to in Article 17-5, paragraph (2) of the Act (including as applied *mutatis mutandis* pursuant to Article 17-6, paragraph (2), and Article 17-7, paragraph (2) of the Act) are as follows:
- (i) how the volatile organic compounds are emitted;
 - (ii) the site where the facility emitting volatile organic compounds and the volatile organic compounds processing facility are installed;
 - (iii) an outline of the operation system associated with the generation of the volatile organic compounds and the processing of the volatile organic compounds;
 - (iv) the location of a measurement area for emission gases within the smoke duct, if any; and
 - (v) telephone numbers or other means for reaching an emergency contact.

(Filing a Notification of the Installation of a Facility Generating Ordinary Particulates)

Article 10 (1) The relevant person must file a notification under Article 18, paragraphs (1) and (3), and Article 18-2, paragraph (1) of the Act using a written notification based on Form 3.

(2) The notification referred to in the preceding paragraph must be accompanied by the following documents pursuant to the provisions of Article 18, paragraph 2 of the Act (including as applied mutatis mutandis pursuant to Article 18-2, paragraph (2) of the Act):

- (i) the layout plan of the facility generating ordinary particulates;
- (ii) the layout plan of the facility for processing ordinary particulates or preventing ordinary particulates from scattering; and
- (iii) a document explaining an outline of the operation system associated with the generation of ordinary particulates and the processing of ordinary particulates.

(Filing a Notification of the Installation of a Facility Generating Specified Particulates)

Article 10-2 (1) The relevant person must file a notification under Article 18-6, paragraphs (1) and (3), and Article 18-7, paragraph (1) of the Act using a written notification based on Form 3-2.

(2) The matters specified by Order of the Ministry of the Environment referred to in Article 18-6, paragraph (2) of the Act (including as applied mutatis mutandis pursuant to Article 18-6, paragraph (4), and Article 18-7, paragraph (2)) are as follows:

- (i) a layout plan of a facility generating specified particulates;
- (ii) how the specified particulates are emitted;
- (iii) the site where the facility for processing the specified particulates or preventing the specified particulates from scattering is installed;
- (iv) an outline of the operation system associated with the generation of the specified particulates and the processing of the specified particulates;
- (v) conditions in the vicinity of the factory or place of business where the facility generating specified particulates is installed;
- (vi) the location for measuring the concentration rate of the specified particulates under Article 18-12 of the Act, and the reason for having chosen that measurement location.

Article 10-3 Deleted

(Filing a Notification for Undertaking Tasks Which Cause the Emission or Dispersal of Specified Particulates)

Article 10-4 (1) . The relevant person must file a notification under Article 18-17, paragraphs (1) and (2) of the Act using a written notification based on Form 3-5.

(2) The matters specified by Order of the Ministry of the Environment as referred to in Article 18-17, paragraph (3) of the Act are as follows:

- (i) an outline, layout plan, and conditions in the vicinity of the building or other structure involved in the task which causes the emission or dispersal of specified particulates;
- (ii) an outline of specified construction work schedule which clearly indicates the schedule for the task which causes the emission or dispersal of specified particulates;
- (iii) the name and contact address of the site foreman of the general contractor or self-contractor of the specified construction work; and
- (iv) the name and contact address of the site foreman of the subcontractor, if the subcontractor is undertaking the task which causes the emission or dispersal of specified particulates.

(Filing a Notification of the Installation of a Facility Emitting Mercury)

Article 10-5 (1) The relevant person must file the notification under Article 18-23, paragraph (1), Article 18-24, paragraphs (1), or Article 18-25, paragraph (1) of the Act using a written notification based on Form 3-5.

(2) The matters specified by Order of the Ministry of the Environment as referred to in Article 18-23, paragraph (2) of the Act (including as applied mutatis mutandis pursuant to Article 18-24, paragraph (2), and Article 18-25, paragraph (2)) are as follows:

- (i) how the mercury and its compounds are emitted;
- (ii) the site where the facility emitting mercury and the facility processing mercury and its compounds are installed;
- (iii) an outline of the operation system associated with the discharge of mercury and its compounds and the processing of mercury and its compounds;
- (iv) the location of a measurement are for emission gases within the smoke duct, if any; and
- (v) telephone numbers and other means for reaching an emergency contact.

(3) Notwithstanding the provisions of the preceding paragraph, if a person is to file a notification pursuant to the provisions of Article 18-28, paragraph (1), Article 18-29, paragraph (1), or Article 18-30, paragraph (1) of the Act, but has already filed another notification pursuant to the provisions of Article 6, paragraph (1), Article 7, paragraph (1), or Article 8, paragraph (1) of the Act for a facility emitting mercury subject to the notification which is mentioned first, the prefectural governor or the city mayor prescribed in Article 13 of the

Order may allow that person to report the date of the other notification which was already filed based on Form 1 in place of submitting all or part of documents including the matters stated in items (i) through (v) of the preceding paragraph.

(Filing a Notification of a Name Change)

Article 11 The relevant person must file the notification under Article 11 of the Act (including as applied mutatis mutandis pursuant to Article 17-13, paragraph (2), Article 18-13, paragraph (2), and Article 18-31, paragraph (2) of the Act) using a written notification based on Form 4 in the case of a change in the matters stated in Article 6, paragraph (1), item (i) or (ii) of the Act, or based on Form 5 in the case of discontinuance of use of a facility.

(Filing a Notification of Succession)

Article 12 The relevant person must file the notification under Article 12, paragraph (3) of the Act (including as applied mutatis mutandis pursuant to Article 17-13, paragraph (2), Article 18-13, paragraph (2), and Article 18-31, paragraph (2) of the Act) using a written notification based on Form 6.

(Number of a Written Notification and its Copy to be Submitted)

Article 13 (1) The relevant person must file the notification under the provisions of the Act using the original accompanied by one duplicate copy.

(2) A notification under the provisions of the Act concerning more than one facility generating soot or smoke, concerning more than one facility emitting a volatile organic compound, concerning more than one facility generating ordinary particulates, or concerning more than one facility emitting mercury may be filed using a single written notification for each type of the facilities, only if those facilities have been installed in the same factory or place of business and are of the same type (meaning a category referred to in Appended Table 1 of the Order, Appended Table 1-2 of the Order, Appended Table 2 of the Order, or Appended Table 3-3 of the Order).

(3) A notification under the provisions of the Act concerning more than one facility generating specified particulates may be filed using a single written notification, only if those facilities are installed in the same factory or place of business.

(4) A notification under the provisions of the Act concerning two or more tasks which cause the emission or dispersal of specified particulates may be filed using a single written notification, only if those tasks are undertaken for the same building or other structure or in the same factory or place of business.

(Use of Optical Disks to Carry Out Procedures)

Article 13-2 A notification and attached documents under Article 8, paragraph (1), Article 9, paragraph (1), Article 10, paragraph (1), Article 10-2, paragraph (1), Article 10-4, paragraph (1), Article 10-5, paragraph (1), Article 11, Article 12, and Article 16-11, paragraph (4) (referred to as a "notification and attached documents" in this Article) may be replaced with an optical disk containing the matters to be stated in the notifications and attached documents, together with a document for submitting optical disks based on Form 6-2.

(Structure of Optical Disks)

Article 13-3 An optical disk referred to in the preceding Article must fall under one of the following items:

- (i) a 120 mm optical disc conforming to JIS X0606 and X6282 or X0606 and X6283; or
- (ii) a 120 mm optical disc conforming to JIS X0609 or X0611 and X6248 or X6249.

(Types of Fuel)

Article 14 Types of fuels specified by Order of the Ministry of the Environment as referred to in Article 15, paragraph (3), and Article 15-2, paragraph (3) of the Act are heavy oil or other petroleum fuels.

(Measurement of Amounts and Concentration Rates of Soot and Smoke)

Article 15 (1) A measurement of the amount of concentration rate of soot or smoke under Article 16 of the Act is to be carried out in accordance with the provisions of the following items, regarding soot or smoke for which the emission standards referred to in Article 3, paragraph (1) or (3) of the Act or the total emission regulation standards referred to in Article 5-2, paragraph (1) or (3) of the Act have been established:

- (i) a measurement of the amount of soot or smoke involving sulfur oxides is to be carried out by using a method for measuring the amount of soot or smoke involving sulfur oxides as stated in the remarks of Appended Table 1, at least once every work period which does not exceed two months, for a facility generating soot or smoke where 10 or more cubic meters of soot or smoke is generated and emitted into the atmosphere from its outlets per hour, when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit (or to be carried out at all times for a facility generating soot or smoke (limited to one installed in a specified factory or place of business) where the amount of soot or smoke generated and emitted into the atmosphere from its outlets is equal to or greater than the amount specified by the Minister of the Environment);
- (ii) a measurement of the concentration rate of soot and smoke involving dust

is to be taken by using the measurement method stated in the remarks of Appended Table 2 at the frequency stated in (a) through (c) for the facility generating soot or smoke stated in those sub-items:

- (a) for the facilities generating soot and smoke as stated in rows (i), (lvi) and (lviii) of Appended Table 2, or for steam reforming-type reformers with a hydrogen manufacturing capacity of less than 1,000 cubic meters per hour under the conditions of 0 degree Celsius and 1 standard atmosphere unit (limited to those using only fuel and raw materials in the form of gas) or fuel cell reformers, which are included in the gasification furnaces stated in row (vii) of that table: at least once every five years;
- (b) for the facilities generating soot or smoke where the amount of gases generated and emitted into the atmosphere from its outlets is less than 40,000 cubic meters per hour (excluding the facilities generating soot or smoke as stated in (a) above and the waste incinerators stated in row (xxxvi) of Appended Table 2), or for the waste incinerators stated in row (xxxvi) with an incineration capacity of less than 4,000 kilograms per hour: at least twice a year (or at least once a year for a facility generating soot or smoke which suspends its service for six months or more in a continuous period s in one year (including any period of suspension in the preceding fiscal year, if the facility continues its suspension of services which began in the preceding fiscal year and the period of the suspension in the preceding fiscal year is less than six months)); and
- (c) for a facility generating soot or smoke other than those as stated in (a) and (b) above: at least once every period not exceeding two months;
- (iii) a measurement of the concentration rate of soot or smoke involving the hazardous substances as stated in Article 1, items (i) through (iv) of the Order is to be carried out by using the measurement method stated in the remarks of Appended Table 3, at least once every work period which does not exceed two months (or to be carried out at least twice a year for a facility generating soot or smoke where the amount of gases generated and emitted into the atmosphere from its outlets is less than 40,000 cubic meters per hour (or to be carried out at least once a year, for a facility generating soot or smoke which suspends its service for six months or more in a continuous period in one year (including any period of suspension in the preceding fiscal year, if a facility continues suspending its service from the preceding fiscal year and the period of the suspension in the preceding fiscal year is less than six months)));
- (iv) a measurement of the amount of soot or smoke involving nitrogen oxides is to be carried out by using the measurement method stated in the remarks attached to Appended Table 3-2, at the frequency stated in the relevant of (a) through (d) for the facility generating soot or smoke as stated in those sub-

- items (or to be carried out by using either of the method mentioned above or the measurement method specified by the Minister of the Environment, for a facility generating soot or smoke as stated in (b)); provided, however, that this may be carried out as specified by the Minister of the Environment for a facility generating soot or smoke which is installed in a specified factory or place of business in a case specified by the Minister of Environment in which emission gas systems in the specified factory or place of business are integrated at an outlet:
- (a) for a steam reforming-type reformer with a hydrogen manufacturing capacity of less than 1,000 cubic meters per hour under the conditions of 0 degrees Celsius and 1 standard atmosphere unit (limited to one using only fuel and raw materials in the form of gas) or a fuel cell reformer, which is included in the facility stated in row (vi) of Appended Table 3-2: at least once every five years;
 - (b) for a facility generating soot or smoke where the amount of gases generated and emitted into the atmosphere from its outlets is less than 40,000 cubic meters per hour (excluding the facility generating soot or smoke as stated in (a) above): at least twice a year (or at least once a year for a facility generating soot or smoke which continuously suspends its service for six months or more in one year (including any period of suspension in the preceding fiscal year, if a facility continues suspending its service from the preceding fiscal year and the period of the suspension in the preceding fiscal year is less than six months));
 - (c) for a facility generating soot or smoke other than those stated in (a), (b) or (d) above: at least once every period not exceeding two months;
 - (d) for a facility generating soot or smoke where the amount of gases generated and emitted into the atmosphere from its outlets is less than 40,000 cubic meters per hour (limited to one installed in a specified factory or place of business, and excluding the facility generating soot or smoke as stated in (a)): at all times.
- (2) The results of measurement of the amount or concentration rate of soot and smoke under Article 16 of the Act are to be recorded as prescribed in the following items:
- (i) the results of the measurements referred to in the items of the preceding paragraph (excluding the constant measuring referred to in the items (i) through (iv)) are to be recorded in a record sheet for measured soot and smoke amounts and concentration rates based on Form 7, and preserved for three years; provided, however, that if a person who has registered as referred to in Article 107 of that Act has issued a certificate referred to in Article 110-2 of the Measurement Act (Act No. 51 of 1992) which certifies the name of the person carrying out the measurement, the date of the

measurement, measurement locations, measurement method, and results of the measurement of the concentration rate of soot or smoke, the entries in the certificate may be used in place of those in the record sheet for measured soot and smoke amounts and concentration rates based on Form 7; and

(ii) the results of the constant measuring as referred to in the items (i) through (iv) of the preceding paragraph are to be recorded with a clearly stated date of measurement, measurement locations, measurement method, and status of use of the facility generating soot or smoke, and the record is to be preserved for three years.

(Emission Standards for Volatile Organic Compounds)

Article 15-2 The emission standards for volatile organic compounds under Article 17-4 of the Act is that the concentration rate of volatile organic compounds measured by the measurement method specified by the Minister of the Environment is below the amount stated in the right column of Appended Table 5-2 regarding volatile organic compounds included for each cubic meter of emission gases (as converted into the capacity of C1 volatile organic compounds), for each type of the facilities stated in the middle column of that table.

(Measurement of Concentrations of Volatile Organic Compounds)

Article 15-3 The measurement of the concentration rate of volatile organic compounds and the recording of its results under Article 17-12 of the Act is as provided in the following items:

- (i) the measurement of the concentration rate of volatile organic compounds is to be carried out by using the measurement method specified by the Minister of the Environment at least once a year;
- (ii) the results of the measurement specified in the preceding item are to be recorded with a clearly stated time and date of measurement, measurer, measurement areas, measurement method, and status of use of the facility emitting a volatile organic compound, and the record is to be preserved for three years.

(Standards for Structure of a Facility Generating Ordinary Particulates)

Article 16 The standards for structure, use, and management of a facility specified by Order of the Ministry of the Environment as referred to in Article 18-3 of the Act are as stated in the right column of Appended Table 6 for each type of the facilities stated in the middle column of that table.

(Standards for a Boundary Line)

Article 16-2 The standards for a boundary line as referred to in Article 18-5 of

the Act regarding asbestos are that the concentration rate of asbestos in the atmosphere is beneath ten fibers per liter, when measured by the measurement method specified by the Minister of the Environment.

(Measurement of Specified Particulate Concentrations)

Article 16-3 The measurement of the concentration of specified particulates and the recording of its results under Article 18-12 of the Act is as provided in the following items:

- (i) the measurement of the concentration rate of specified particulates involving asbestos is to be carried out by using the measurement method specified by the Minister of the Environment at least once every work period which does not exceed six months; provided, however, that the Minister of the Environment may designate a different number on the frequency of measurement depending on things such as the size of a factory, or place of business of the person emitting specified particulates; and
- (ii) the results of the measurement specified in the preceding item are to be recorded with a clearly stated time and date of measurement, weather, measurer, measurement areas, measurement method, and status of use of the facility generating specified particulates, and the record is to be preserved for three years.

(Operational Standards)

Article 16-4 The standards referred to in Article 18-14 of the Act for asbestos are as follows:

- (i) the general contractor or self-contractor of the specified construction work is to make a plan stating the following matters regarding the task which causes the emission or dispersal of specified particulates, which is included within the specified construction work, before commencing that task, and is to undertake the task in accordance with the plan:
 - (a) the name and address of the orderer of the specified construction work, and if the orderer is a corporation, the name of its representative;
 - (b) the location of that specified construction work;
 - (c) the type of the task which causes the emission or dispersal of specified particulates;
 - (d) the period for undertaking the task which causes the emission or dispersal of specified particulates;
 - (e) the types of the specified building material used in the parts of the building or other structure which will be subject to the task which causes the emission or dispersal of specified particulates, as well as the locations and the size of the area where the specified building material is used;
 - (f) the method for undertaking the task which causes the emission or

- dispersal of specified particulates; and
- (g) the matters stated in the items of Article 10-4, paragraph (2);
- (ii) when undertaking the task which causes the emission or dispersal of specified particulates, which is included in the specified construction work, its general contractor or self-contractor is to install a bulletin board satisfying the following requirements in a location which is easy for the public to see:
 - (a) being at least 42.0 centimeters in length and 29.7 centimeters in width or at least 29.7 centimeters in length and 42.0 centimeters in width; and
 - (b) displaying the following matters:
 - 1. the names and addresses of both the orderer and the general contractor, or the name and address of the self-contractor of the specified construction work, and, if anyone of them is a corporation, the name of its representative;
 - 2. the date and destination of the notification under Article 18-17, paragraphs (1) and (2) of the Act, if the specified construction work falls under one subject to the notification; and
 - 3. the matters stated in Article 10-4, paragraph (2), item (iii) as well as in (d) and (f) of the preceding item;
- (iii) the general contractor, self-contractor, or subcontractor of the specified construction work is to record the status of undertaking the task which causes emission or dispersal of specified particulates, which is included in the specified construction work as provided for in (c), (d), (f), and (g) in the right column of row (1) of Appended Table 7, in a fashion suited to how the specified construction work is divided up (the status mentioned above includes the date, method, and results of the confirmation and the name of the person conducting the confirmation (the results of the confirmation include the details of a repair or other measures which have been taken based on the results, if any), if the work stated in the middle column of row (i) of Appended Table 7 or the work stated in (a) and (c) in the right column of row (vi) of Appended Table 7) and is to preserve the record until the specified construction work is completed;
- (iv) the general contractor of the specified construction work must use the record prepared by each subcontractor stated in the preceding item, to confirm that they are undertaking the task which causes emission or dispersal of specified particulates, which is included in the specified construction work, in an appropriate manner based on the plan stated in item (i);
- (v) after completing the removal, enclosure, or containment (referred to as the "removal, enclosure, or containment" in this item) of the specified building materials during the specified construction work (or before reopening the

- sealed-off location, if the location subject to the removal, enclosure, or containment is sealed off from other locations), the general contractor or self-contractor of the specified construction work is to ask a person with the necessary knowledge to conduct a visual inspection to confirm the completion of the removal, enclosure, or containment in an appropriate manner; provided, however, that the self-contractor of the demolition work including renovations or repairs may conduct the confirmation themselves, if the self-contractor is an individual (excluding a person undertaking the demolition work including renovations or repairs on a commercial basis), and undertakes the construction work on a minor scale to remodel or renovate the buildings or other structures, in which particulates are emitted or dispersed only in an extremely small amount; and
- (vi) beyond what is provided for in the preceding items, the standards are to be as stated in the right column of Appended Table 7 for each type of the tasks stated in the middle column of that table.

(Methods of Investigation for Demolition Work Including Renovations or Repairs)

Article 16-5 The methods specified by Order of the Ministry of the Environment that are referred to in Article 18-15, paragraph (1) of the Act are as follows:

- (i) conducting an investigation by using the drawings and specifications or other documents, and by conducting a visual inspection as to whether or not the specified building materials are used; provided, however, that this does not apply when it is clear from those drawings and specifications, or other documents, that the demolition work including renovations or repairs falls under the construction work which involves demolishing, renovating, or repairing the building or any other structure stated below, and when the demolition work including renovations or repairs does not involve demolishing, renovating, or repairing any buildings or structures other than those stated below:
- (a) a building or other structure for which the construction began after September 1, 2006 (excluding those stated in (b) to (e));
- (b) equipment (including piping; the same applies in this item) in facilities for use in non-ferrous metal manufacturing industry for which the construction began after September 1, 2006, and gaskets were added to the connections after October 1, 2007;
- (c) equipment in facilities for use in the steel industry for which the construction began after September 1, 2006, and gaskets and gland packing were added to the connections after April 1, 2009;
- (d) equipment in facilities provided for use in the chemical industry for which the construction began after September 1, 2006, and gland packing was

- added to the connections after March 1, 2011; and
- (e) equipment in facilities provided for use in the chemical industry for which the construction began after September 1, 2006, and gaskets were added to the connections after March 1, 2012;
 - (ii) ensuring that the investigation provided for in the preceding item regarding the construction work which involves demolishing, renovating, or repairing a building (excluding the case stated in the provisos to the preceding item) is conducted by a person specified by the Minister of the Environment as having the necessary knowledge to conduct the investigation in an appropriate manner; provided, however, that the self-contractor of the demolition work including renovations or repairs may conduct the investigation themselves, if the self-contractor is an individual (excluding a person undertaking the demolition work including renovations or repairs on a commercial basis) and undertakes the construction work on a minor scale to renovate or repair the buildings, in which particulates are emitted or dispersed only in a extremely small amount; and
 - (iii) conducting an analytic inspection, if the inspection stated in (i) above did not make it clear whether or not the demolition work including renovations or repairs falls under the specified construction work; provided, however, that this does not apply when the demolition work including renovations or repairs is deemed to fall under that specified construction work, and the measures regarding that specified construction work are taken based on the Act, or based on an order under the Act.

(Timing of the Explanation for Demolition Work Including Renovations or Repairs)

Article 16-6 An explanation under Article 18-15, paragraph (1) of the Act is to be given by the day of the commencement of the demolition work including renovations or repairs (or by 14 days before the day of the commencement of the task which causes the emission or dispersal of specified particulates, if that demolition work falls under the specified construction work subject to notification, and the task is to commence within 14 days from the day on which that specified construction commences); provided, however, that this explanation is to be given immediately if the task which causes the emission or dispersal of specified particulates needs to be conducted urgently due to a disaster or any other emergency situation.

(Matters to Be Explained for Demolition Work Including Renovations or Repairs)

Article 16-7 The matters specified by Order of the Ministry of the Environment as referred to in Article 18-15, paragraph (1), item (iv) of the Act are as follows:

- (i) the date on which the investigation under Article 18-15, paragraph (1) or (4) of the Act (referred to as the "preliminary investigation" below) is completed;
- (ii) the methods of conducting the preliminary investigation;
- (iii) the name of a person conducting the investigation as stated in Article 16-5, paragraph (2) and the matters clarifying that the person conducting the investigation falls under the category of a person specified by the Minister of the Environment as stated in that item, if the investigation is conducted as stated;
- (iv) the matters stated in Article 10-4, paragraph (2), items (ii) and (iii), if the demolition work including renovations or repairs falls under the specified construction work other than one subject to notification; and
- (v) the matters stated in the items of Article 10-4, paragraph (2), if the demolition work including renovations or repairs falls under the specified construction work subject to notification.

(Records of Investigations Concerning Demolition Work Including Renovations or Repairs)

Article 16-8 (1) The records stated in Article 18-15, paragraphs (3) and (4) of the Act are to be prepared for the following matters (limited to the matters stated in (i) to (v), if the buildings and other structures subject to the demolition work including renovations or repairs fall under any of the matters stated in Article 16-5, item (i), (a) through (e)) and preserved for three years from the date on which the demolition work including renovations or repairs is completed:

- (i) the name and address of the orderer of the demolition work including renovations or repairs, and if the orderer is a corporation, the names of its representatives;
- (ii) the location of the demolition work including renovations or repairs;
- (iii) the name and overview of the demolition work including renovations or repairs;
- (iv) the matters stated in (i) and (ii) of the preceding Article;
- (v) the date of the commencement of the construction of the buildings and other structures which are subject to the demolition work including renovations or repairs (and the date on which the building materials specified in Article 16-5, item (i), (b) through (e) were used, if the buildings and other structures subject to the demolition work including renovations or repairs falls under any of the matters stated in those items);
- (vi) an overview of the buildings and other structures subject to the demolition work including renovations or repairs;
- (vii) the part of the buildings or other structures which is to be renovated or repaired, if the demolition work including renovations or repairs falls under construction work which includes any tasks for renovating or repairing the

- buildings or other structures;
- (viii) the name of the person conducting the investigation, if the investigation stated in Article 16-5, paragraph (2) is conducted;
 - (ix) the locations inspected, the name of the person conducting the analytic investigation, and the institution or company to which the person belongs, if the analytic investigation is so conducted; and
 - (x) whether or not each building material used in the part of the buildings and other structures subject to the demolition work including renovations or repairs falls under the specified building materials (or the fact that the demolition work including renovations or repairs is deemed to fall under the specified construction work pursuant to the proviso to Article 16-5 (iii), if the demolition work including renovations or repairs is so deemed) and the grounds for the determination.
- (2) If the investigation provided for in Article 16-5, paragraph (2) is conducted, the records referred to in the preceding paragraph are to be preserved together with copies of documents certifying that the person provided for in item (viii) of the preceding paragraph falls under the category of the person specified by the Minister of the Environment as provided for in Article 16-5, paragraph (2).
- (3) Copies of the documents provided for in Article 18-15, paragraph (3) of the Act are to be preserved for three years from the date on which the demolition work including renovations or repairs is completed.

(Manner of Posting in Connection with Demolition Work Including Renovations or Repairs)

Article 16-9 Posting under Article 18-15, paragraph (5) of the Act is to be done through the installation of a bulletin board of at least 42.0 centimeters in length and 29.7 centimeters in width or of at least 29.7 centimeters in length and 42.0 centimeters in width.

(Matters to Be Posted for Demolition Work including Renovations or Repairs)

Article 16-10 The matters specified by Order of the Ministry of the Environment as referred to in Article 18-15, paragraph (5) of the Act are as follows:

- (i) the name and address of the general contractor or self-contractor of the demolition work including renovations or repairs, and if the general contractor or self-contractor is a corporation, the name of its representative;
- (ii) the matters stated in Article 16-7, items (i) and (ii); and
- (iii) the types of the specified building materials used in the parts of the buildings or other structures subject to the task which causes the emission or dispersal of specified particulates, if the demolition work including renovations or repairs falls under the specified construction work.

(Reporting Results of Investigations Regarding Demolition Work Including Renovations or Repairs)

Article 16-11 (1) The reports under Article 18-15, paragraph (6) of the Act are to be made regarding the preliminary investigations about any of the following demolition work including renovations or repairs:

- (i) work which involves a task for demolishing a building if the total floor area subject to the task is at least 80 square meters;
- (ii) work which involves a task for renovating or repairing a building for which the total amount of the contract charges is at least 1 million yen (or if the self-contractor of the demolition work including renovations or repairs is undertaking that task, the total amount of the appropriate contract charges which could arise if that task was subcontracted to another person is at least 1 million yen; the same applies in the following item and (v) of the following paragraph); or
- (iii) work which involves a task for demolishing, renovating, or repairing a structure (limited to the structure specified by the Minister of the Environment as having a high risk of including the specified building materials) for which the total amount of the contract charges is at least 1 million yen.

(2) The reports under Article 18-15, paragraph (6) of the Act are to be made for the following matters (limited to the matters stated in items (i) through (v) (except the matters stated in Article 16-7, item (iii) and Article 16-8, paragraph (1), items (vi) and (ix)), if the buildings and other structures subject to the demolition work including renovations or repairs falls under any of the matters stated in Article 16-5, item (i), (a) through (e)):

- (i) the names and addresses of both the orderer and the general contractor, or the name and address of the self-contractor of the demolition work including renovations or repairs, and if anyone of them is a corporation, the name of its representative;
- (ii) the matters stated in Article 16-7, items (i) and (iii) and Article 16-8, paragraph (1), items (ii), (iii), (v), (vi), and (ix);
- (iii) the period for undertaking the demolition work including renovations or repairs;
- (iv) the total floor area subject to the task provided for in item (i) of the preceding paragraph, if the demolition work including renovations or repairs falls under the work provided for in that item;
- (v) the total amount of the contract charges for the task provided for in item (ii) or (iii) of the preceding paragraph, if the demolition work including renovations or repairs falls under the work specified in that item;
- (vi) the types of the building materials used in the parts of the buildings and other structures, which are subject to the demolition work including

- renovations or repairs;
- (vii) whether or not the building materials provided for in the preceding item fall under the specified building materials (or the fact that the demolition work including renovations or repairs is deemed to fall under the specified construction work pursuant to the provisos to Article 16-5 (iii), if the demolition work including renovations or repairs is so deemed), and an overview of the grounds for the determination if the building materials are decided not to fall under the specified building materials; and
 - (viii) the date of the commencement of the task which causes the emission or dispersal of specified particulates, which is included in the specified construction work, if the demolition work including renovations or repairs is decided to fall under the specified construction work.
- (3) If the demolition work including renovations or repairs of the buildings and other structures is divided into at least two procedures and the same person accepts multiple subcontracts for those procedures, that person is deemed to have accepted a contract for those procedures, and the provisions of paragraph (1) apply to that person.
- (4) The report under Article 18-15, paragraph (6) of the Act is to be made by a method pursuant to the provisions of Article 6, paragraph (1) of the Act on the Advancement of Government Administration Processes That Use Information and Communications Technology (Act No. 151 of 2002) using electronic data processing systems (meaning the electronic data processing systems specified in that paragraph; the same applies in this paragraph); provided, however, that, if it is difficult to make that report using electronic data processing systems, it may be replaced with submitting a written report based on Form 3-4.

(Matters to Be Explained to Subcontractors)

Article 16-12 The matters specified by Order of the Ministry of the Environment as provided for in Article 18-16, paragraph (3) of the Act are the matters stated in Article 10-4, paragraph (2), item (ii) and Article 16-4, item (i), (c) through (e).

(Dust Collection and Exhaust Equipment)

Article 16-13 The dust collection and exhaust equipment specified by Order of the Ministry of the Environment as referred to in Article 18-19, item (i), (b) of the Act is to include a HEPA filter prescribed by JIS Z8122.

(Methods Equivalent to Sealing Off or Taking Other Actions)

Article 16-14 The methods specified by Order of the Ministry of the Environment that are referred to in Article 18-19, item (i), (c) of the Act are methods with an effect equal to or greater than the methods specified in (b) of that item.

(Methods of Covering or Affixing)

Article 16-15 The methods specified by Order of the Ministry of the Environment that are referred to in Article 18-19, (ii) of the Act are methods which enclose or contain specified building materials (referred to as "enclosure or containment" below); provided, however, that these methods are replaced with sealing off a location from other locations, where the specified building materials are enclosed or contained, and keeping to use the dust collection and exhaust equipment provided for in Article 16-13 at the sealed-off location during the act of enclosure or containment, in the following cases: spray-applied asbestos are enclosed; insulation materials, thermal insulating materials, or fireproof covering materials in which asbestos is contained (excluding spray-applied asbestos; referred to as "asbestos-containing materials" below) are enclosed or contained (limited to when these building materials are cut, crushed, etc. in connection with the enclosure or containment); or spray-applied asbestos are contained.

(Reporting Results of Tasks Which Causes the Emission or Dispersal of Specified Particulates)

Article 16-16 (1) The report under Article 18-23, paragraph (1) of the Act is to be made regarding the following items:

- (i) the date on which the task which causes the emission or dispersal of particulates was completed;
 - (ii) an overview of the status of undertaking the task which causes the emission or dispersal of specified particulates; and
 - (iii) the matters clarifying the name of the person conducting the confirmation provided for in Article 16-4, item (v) and that the person has the knowledge necessary to conduct the confirmation in an appropriate manner.
- (2) The records provided for in Article 18-23, paragraph (1) of the Act are to be prepared regarding the matters stated in the items below and preserved for three years from the date on which the specified construction work is completed, together with copies of the documents provided for in that paragraph and copies of documents certifying that the people conducting the confirmation provided for in Article 16-4, item (v) have the necessary knowledge to conduct it in an appropriate manner:
- (i) the matters stated in Article 10-4, paragraph (2), items (iii) and (iv) and in Article 16-4, item (i), (a) through (c);
 - (ii) the period for undertaking the task which causes the emission or dispersal of specified particulates;
 - (iii) the status of undertaking the task which causes the emission or dispersal of specified particulates (including the following matters):

- (a) the date on which the confirmation provided for in Article 16-4, item (v) was conducted, the results of the confirmation (including the details of the measures such as removal, enclosure, or containment of the specified building materials, if the measures have been taken based on the result of the confirmation), and the name of the person conducting the confirmation;
- (b) the date on which the confirmation provided for in (c), (d), (f), and (g) in the right column of row (i) of Appended Table 7 was conducted, the results and method of the confirmation (including the details of the measures such as repair, if the measures have been taken based on the result of the confirmation), and the name of the person conducting the confirmation, if the task stated in the middle column of row (i) of that table and the task stated in (a) and (c) in the right column of row (vi) of that table has been undertaken.

(Records of Tasks Which Causes the Emission or Dispersal of Specified Particulates)

Article 16-17 The records provided for in Article 18-23, paragraph (2) of the Act are to be prepared regarding the matters stated in the items of paragraph (2) of the preceding Article and preserved for three years from the date on which the specified construction work is completed, together with copies of documents certifying that the people conducting the confirmation provided for in Article 16-4, item (v) have the necessary knowledge to conduct it in an appropriate manner (excluding the self-contractor of the demolition work including renovations or repairs, if the self-contractor is an individual and conducts the confirmation themselves pursuant to the proviso to item (v) of that Article).

(Mercury and Mercury Compound Emissions Standards)

Article 16-18 (1) The emission standard for mercury and its compounds under Article 18-27 of the Act is that the mercury concentration rate is below the amount stated in the right column of Appended Table 3-3 regarding mercury and its compounds included for each cubic meter of emission gases when measured under the conditions with 0 degrees Celsius and 1 standard atmosphere unit, for each type and scale of the facilities stated in the middle column of that table (the mercury concentration rate mentioned above means the total amount of the concentration rate of gaseous mercury (the gaseous mercury means mercury and its compounds in the form of gas contained in emission gases; the same applies below) (the concentration rate of gaseous mercury means the concentration rate of gaseous mercury measured by using the measurement method specified by the Minister of the Environment, which is included for each cubic meter of emission gasses when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit; the same

applies below) and the concentration rate of particulate mercury (the particulate mercury means mercury and its compounds contained in dust included in emission gases; the same applies below) (the concentration rate of particulate mercury means the concentration rate of particulate mercury measured by using the measurement method specified by the Minister of the Environment, which is included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit; the same applies below)).

- (2) If a facility emitting mercury has satisfied one of the following requirements for three consecutive years, that facility is deemed to be conforming to its emission standard, based on the fact that the concentration rate of gaseous mercury being emitted from the facility satisfies the emission standard provided for in the preceding paragraph (but only if no notification of changes in structure under the provisions of Article 18-25 of the Act is given for that facility during the period):
- (i) the concentration rate of particulate mercury is less than the lower limit of quantitation for the sample gas of gaseous mercury;
 - (ii) the yearly average of the results of measurements referred to in item (i), (a) through (d) of the following Article (or if further measurements under item (iii) are carried out, the yearly average of the results of the measurements under item (iv) of that Article) is less than 50 micrograms per cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, and the concentration rate of particulate mercury accounts for less than five percent of the mercury concentration rate; or
 - (iii) the yearly average of the results of measurements referred to in item (i), (a) through (d) of the following Article (or if further measurements under item (iii) of that Article are carried out, the yearly average of the results of the measurements under item (iv) of that Article) is 50 micrograms or more per cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, but the concentration rate of particulate mercury accounts for less than five percent of the mercury concentration rate, and the amount of particulate mercury is less than 2.5 microgram per cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit.

(Measurement of Mercury Concentration)

Article 16-19 The measurement of the mercury concentration and recording of its results under Article 18-35 of the Act is as prescribed in the following items:

- (i) a mercury concentration rate is to be measured by the method specified by the Minister of the Environment, under the usual operational and emission

conditions and at the frequency stated in (a) through (d) for each of the facilities emitting mercury as stated in (a) through (d):

- (a) a facility emitting mercury in which 40,000 or more cubic meters of emission gases are generated and emitted into the air per hour from its outlets (excluding the facilities stated in (c) and (d)): at least once every period not exceeding four months;
- (b) a facility emitting mercury in which less than 40,000 cubic meters of emission gases are generated and emitted into the air per hour from its outlets (excluding facilities stated in (c) and (d)): at least once every work period not exceeding six months;
- (c) a drying furnace using only copper, lead or zinc as raw materials among the facilities emitting mercury as stated in row (iii) or (iv) of Appended Table 3-3: at least once a year;
- (d) a melting furnace using only waste lead battery or waste solder as raw materials, among the facilities emitting mercury as stated in row (v) of Appended Table 3-3: at least once a year;
- (ii) measurement of particulate mercury is not required when carrying out the measurement stated in (a) through (d) of the preceding item (referred to as the "regular measurement" in this Article) for a facility to which paragraph (2) of the preceding Article is applicable; provided, however, that satisfaction of one of the requirements referred to in the items of paragraph (2) of the preceding Article is to be confirmed by measuring the concentration rate of gaseous mercury and its mercury at least once during every period not exceeding three years;
- (iii) if the result of the regular measurement exceeds the limit established by the emission standard provided for in paragraph (1) of the preceding Article, further measurements are to be carried out to check the results three times or more within the period specified in (a) or (b) below under usual operational and emission conditions (those further measurements are referred to as "further measurements" in this Article):
 - (a) if the result of the regular measurement exceeds 1.5 times of the limit established by the emission standard: 30 days from the date on which the result of the regular measurement is obtained;
 - (b) in cases other than (a): 60 days from the date on which the result of the regular measurement is obtained;
- (iv) if the further measurements are carried out after the regular measurement, the result of that regular measurement of the mercury concentration rate is to be replaced with the average of all the values obtained by that regular measurement and those further measurements, except for the maximum value and minimum value; and
- (v) the results of the measurement stated in the four preceding items are to be

recorded in a record sheet for measured mercury concentration rates based on Form 7-2, and preserved for three years; provided, however, that if a person who has registered as referred to in Article 107 of that Act has issued a certificate referred to in Article 110-2 of the Measurement Act which certifies the name of the person carrying out the measurement, the date of the measurement, measurement locations, measurement method, and results of the measurement of the mercury concentration rates, the entries in that certificate may be used in place of those in the record sheet for the measured mercury concentration rates based on Form 7-2.

(Continuous Monitoring by Prefectural Governors)

- Article 16-20 (1) The continuous monitoring by the prefectural governor as prescribed by Article 22, paragraph (1) of the Act is to be conducted as follows: by carrying out continuous measurements at a location within the prefecture where the air pollution status can be reliably assessed.
- (2) The report of the results of the monitoring by the prefectural governors as prescribed by Article 22, paragraph (2) of the Act is to be conducted as follows: by compiling the results of the continuous monitoring under the preceding paragraph every fiscal year and submitting them to the Minister of the Environment by the day specified by that Minister.

(Continuous Monitoring by the Minister of the Environment)

- Article 16-21 (1) The continuous monitoring by the Minister of the Environment as prescribed by Article 22, paragraph (3) of the Act is to be conducted by measuring the radioactivity concentration rate and radiation dose.
- (2) The radioactive materials prescribed by Order of the Ministry of the Environment as referred to in Article 22, paragraph (3) of the Act are radioactive materials in the atmosphere.

(Emergencies)

- Article 17 (1) An order to a person emitting soot or smoke or emitting volatile organic compounds as prescribed in Article 23, paragraph (2) of the Act is to be issued as follows: by specifying the region where it is found to be necessary to take the measures, and the scope of persons emitting soot or smoke, or emitting volatile organic compounds, taking into consideration aspects such as the status of air pollution, influence of weather conditions, the types and sizes of facilities generating soot or smoke or facilities emitting volatile organic compounds.
- (2) The order referred to in the preceding paragraph is to be issued as follows: by sending a document including the details of the order, and other necessary matters to the person emitting soot or smoke or emitting volatile organic

compounds; provided, however, that if it is found to be extremely difficult to issue that order in writing, that issuance can be done by using the telephone or any other telecommunications equipment.

- (3) If an order is issued by a method referred to in the proviso to the preceding paragraph, another method must be required, to enable the person emitting soot or smoke, or emitting volatile organic compounds to confirm whether or not the order has been issued, and what is stated in that order, and this information must be conveyed to that person by using that method.
- (4) The provisions of the preceding two paragraphs apply *mutatis mutandis* to the cancellation of an order as referred to in paragraph (1) which is issued without indicating the period during which the emergency measures are to be taken.

Article 18 (1) The hourly value specified by Order of the Ministry of the Environment as referred to in the Remarks of Appended Table 5 is to be calculated for the materials stated in the following items, using the measuring instrument stated in the relevant item and drawing in air into it for one hour continuously:

- (i) sulfur oxides: a sulfur oxides measuring instrument which uses the conductometric method or the ultraviolet fluorescence method;
 - (ii) suspended particulate matter: a suspended particulate matter concentration measuring instrument which uses the light scattering techniques, the piezoelectric mass measurement method, or the beta-ray absorption method;
 - (iii) carbon monoxide: a carbon monoxide measuring instrument which uses the nondispersive infrared method;
 - (iv) nitrogen dioxide: a nitrogen dioxide measuring instrument which uses the absorptiometric method based on Zalzmann reagent or the chemiluminescent method based on ozone; and
 - (v) oxidant: an oxidant measuring instrument which uses the absorptiometric method based on neutral phosphate potassium iodide solution with a concentration specified in Japanese Industrial Standard B7957 or uses the coulometric titration method, when calibrated by the method specified in Japanese Industrial Standard B7957; or an ozone measuring instrument which uses the ultraviolet absorption method or the chemiluminescent method based on ethylene.
- (2) The scope of suspended particulate matters specified by Order of the Ministry of the Environment as referred to in the Remarks of Appended Table 5 is restricted to suspended particulate matters in the atmosphere with their diameters at around 10 micrometers or less.
 - (3) The scope of oxidants specified by Order of the Ministry of the Environment

as referred to in the Remarks of Appended Table 5 is restricted to oxidizers which isolate iodine by reacting with ozone in the atmosphere, with peroxyacyl nitrate, or with potassium iodide.

(Release of Results)

- Article 18-2 (1) The release of the air pollution status by the prefectural governor as prescribed by Article 24, paragraph (1) of the Act is to be conducted by using the Internet or by any other appropriate method.
- (2) The release of the status of the pollution of the air with radioactive materials by the Minister of Health, Labour and Welfare as prescribed by Article 24, paragraph (2) of the Act is to be conducted by using the Internet or by any other appropriate method.

(Identification Cards for On-site Inspections)

- Article 19 The format of a certificate referred to in Article 26, paragraph (3) of the Act is as shown based on Form 8.

(Delegation of Authority)

- Article 20 The authority of the Minister of the Environment as prescribed in Article 26, paragraph (1) and Article 28, paragraph (1) of the Act is delegated to the Director General of the Regional Environment Office; provided, however, that, this does not preclude the Minister of the Environment from exercising the authority prescribed in Article 26, paragraph (1) of the Act.

(Matters of Which Mayors of Designated Cities Are to Notify the Prefectural Governor)

- Article 21 The matters specified by Order of the Ministry of the Environment as referred to in Article 31, paragraph (2) of the Act are the matters stated in the following items that a prefectural governor needs to be notified of when establishing or revising the plan for reducing the total amount of designated soot and the smoke and the total emission regulation standards:
- (i) the matters stated in notifications under Articles 6, 7, 8 and 11, and Article 12, paragraph (3) of the Act;
 - (ii) the matters stated in notices under Article 27, paragraph (2) of the Act; and
 - (iii) the status of the pollution of the air with designated soot and smoke.

Supplementary Provisions

- (1) This Ministerial Order comes into effect on the effective date of the Act Partially Amending the Air Pollution Control Act [Act No. 134 of 1970] (June 24, 1971).

- (2) Until otherwise provided by law, if an ordinance or rule established by a local government is applicable to persons emitting soot or smoke as of the effective date of this Ministerial Order, and the same formula as the one for calculating the amount of sulfur oxides as prescribed in Article 3 of this Ministerial Order is used in that ordinance or rule for the emission standard for sulfur oxides, and if the value determined by that ordinance or rule for an area within the district of that local government, as stated in the middle column of Appended Table 1, is smaller than the value stated in the right column of that table (the value determined by that ordinance or rule as mentioned above means the one corresponding to the value "K" which is included in the formula referred to in Article 3, paragraph (1) of this Ministerial Order), the value "K" included in the formula as prescribed in Article 3, paragraph (1) of this Ministerial Order is replaced with that value determined by that ordinance or rule.
- (3) The provisions of Article 4 applicable to a person that has in place a facility generating soot or smoke as of the effective date of this Ministerial Order (this includes a person engaging in the installation of a facility at that time; the same applies below) do not apply until the day stated in the relevant of the following items for the type of the facilities stated in that item, in a case related to Article 13, paragraph (1) of the Act, or until the last day in the one-year period that begins on the effective date of this Ministerial Order, in a case related to Article 14, paragraph (1) of the Act:
- (i) the facilities stated in Appended Table 2 (excluding the facilities stated in the following item): the last day in the two-year period that begins on the effective date of this Ministerial Order; and
 - (ii) the converter furnaces stated in row (ix), the crucible furnaces stated in row (xviii), or the kilns stated in row (xix) of Appended Table 2 which fall under the category of the cement kilns: the last day in the three-year period that begins on the effective date of this Ministerial Order.
- (4) Until the last day in the one-year period which begins on the effective date of this Ministerial Order, prior laws and regulations continue to govern an order to improve the structure of a facility generating soot or smoke, the way in which that facility is used, or the way in which soot or smoke from that facility is processed, or an order to temporarily suspend use of that facility, if that order is issued regarding soot or other particulates referred to in Article 2, paragraph (1) of the Air Pollution Control Act, before the amendment by the Act Partially Amending the Air Pollution Control Act (Act No. 134 of 1970), to a person prescribed in the preceding paragraph who is subject to application of the emission standards for soot or other particulates referred to in Article 2, paragraph (1) of that Act, which have been established pursuant to the provisions of Article 4, paragraph (1) of that Act.
- (5) Prior laws and regulations continue to govern the applicability of penal

provisions in connection with an order which prior laws and regulations are to continue to govern pursuant to the provisions of the preceding paragraph.

- (6) In a case related to Article 13, paragraph (1) and Article 14, paragraph (1) of the Act, the provisions of Article 5 do not apply to a person that has in place a facility generating soot or smoke as of the effective date of this Ministerial Order, and emits hazardous substances (excluding chlorine and hydrogen chloride) into the atmosphere, until the last day in the one-year period which begins on the effective date of this Ministerial Order.

Supplementary Provisions [Order of the Prime Minister's Office No. 59 of December 25, 1971]

- (1) This Order of the Prime Minister's Office comes into effect on January 5, 1972.
- (2) Notwithstanding the provisions of paragraph (2) of the Supplementary Provisions, if the value "K" included in the formula prescribed in Article 3, paragraph (1) for an area is to be replaced with the value determined by an ordinance or rule established by a local government, until otherwise provided for by law, pursuant to the provisions of paragraph (2) of the Supplementary Provisions of the Regulation for Enforcement of the Air Pollution Control Act (referred to as "the Supplementary Provisions" below), but the value determined by that ordinance or rule is not smaller than the value for that area as stated in the right column of Appended Table 1 or 1-2, as amended by this Order of the Prime Minister's Office, the value "K" for that area is replaced with the value stated in that right column.
- (3) In a case related to Article 13, paragraph (1) of the Air Pollution Control Act (Act No. 97 of 1968; hereinafter referred to as "the Act"), the provisions of the amended Article 3 do not apply to a person that has in place a facility generating soot or smoke as of the effective date of this Order of the Prime Minister's Office (this person includes a person doing work on the installation of a facility at that time), until the day stated in each of the following items for the facility stated in that item, and prior laws and regulations are to continue to govern that person; provided, however, that this does not apply to a person that has installed a facility generating soot or smoke in an area stated in the middle column of Appended Table 1-2 for which the value stated in the right column of that table are equal to the value stated in the right column of Appended Table 1 before the amendment by this Order of the Prime Minister's Office:
- (i) the facilities stated in Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; referred to as "Cabinet Order" below) (excluding the facilities stated in the following item): March 31, 1972;

- (ii) the sintering furnaces (or pellet kilns) stated in row (iii) of the Appended Table 1 of the Cabinet Order: June 30, 1972 (or December 31, 1973, if their actual outlet height cannot be raised pursuant to the provisions of Article 49, paragraph (1) of the Civil Aeronautics Act (Act No. 231 of 1952 (including as applied *mutatis mutandis* pursuant to the provisions of Article 107, paragraph (2) of the Self Defense Forces Act (Act No. 165 of 1954)) or pursuant to the provisions of Article 56-4, paragraph (1) of the Civil Aeronautics Act).
- (4) The provisions of Article 7, paragraph (1) as amended by this Order of the Prime Minister's Office do not apply to a facility generating soot or smoke, if the effective date of this Order of the Prime Minister's Office comes earlier than the day following the last day in the period in which that facility must not be installed, pursuant to the provisions of Article 10, paragraph (1) of the Act (or earlier than the day following the last day in the shortened period, if the period is shortened pursuant to the provisions of paragraph (2) of that Article) (or the effective date of this Order of the Prime Minister's Office comes earlier than the date on which the construction plan was approved, in cases for which the provisions of Article 27, paragraph (2) of the Act provide that the Electricity Business Act (Act No. 170 of 1964) or the Gas Business Act (Act No. 51 of 1954) equivalent to Article 10, paragraph (1) of the Act is applicable).
- (5) The provisions of Article 7, paragraph (1) before the amendment by this Order of the Prime Minister's Office remain in force for the facilities generating soot or smoke as referred to in the preceding paragraph within the areas stated in Appended Table 4 before the amendment by this Order of the Prime Minister's Office.
- (6) Prior laws and regulations continue to govern the applicability of penal provisions engaged before this Order of the Prime Minister's Office comes into effect.

Supplementary Provisions [Order of the Prime Minister's Office No.44 of August 2, 1973]

- (1) This Order of the Prime Minister's Office comes into effect on August 10, 1973.
- (2) The provisions of Article 5 as amended by this Order of the Prime Minister's Office do not apply to the facility stated in the middle column of row (i) through (v) of Appended Table 3-2, if that facility has been installed as of the effective date of this Order of the Prime Minister's Office (including a facility for which installation work is underway at that time and excluding facilities prescribed in paragraph (4) of the Supplementary Provisions).
- (3) The provisions of Article 5 as amended by this Order of the Prime Minister's Office do not apply to the facility stated in the middle column of row (vi) of

Appended Table 3-2, if that facility has been installed as of the effective date of this Order of the Prime Minister's Office (including a facility for which installation work is underway at that time), until June 30, 1976.

- (4) The provisions of Article 5 as amended by this Order of the Prime Minister's Office do not apply to the facility stated in the middle column of the Appended Table of the Supplementary Provisions, if that facility has been installed as of the effective date of this Order of the Prime Minister's Office (including a facility for which installation work is underway at that time), until June 30, 1975.
- (5) Notwithstanding the provisions of Article 5 as amended by this Order of the Prime Minister's Office, until otherwise provided by law, the emission standard for nitrogen oxides from a facility prescribed in the preceding paragraph is the amount stated in the right column of the Appended Table of the Supplementary Provisions for each type of the facilities stated in the middle column of that table, regarding nitrogen oxides included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit; and that standard applies from July 1, 1975.

Appended Table of the Supplementary Provisions

(i))	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, which burn gas (limited to those boilers that havewith an emission gas volumesamount of 100,000 cubic meters or more; the same applies in this Table (the emission gas amount means the maximum volume amount of emission gases per hour when calculated as if measured under the conditions with of a temperature of zero0 degrees Celsius and 1 standarda pressure of one atmosphere unit; the same applies hereinafter in this Table) of 100,000 cubic meters or more; the same applies hereinafter in this Table) that burn gas	170 cubic centimeters
(i i)	Boilers statedlisted in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn coal (limited to those coal with a calorific value of 5,000 kilocalories or less per kilogram)	750 cubic centimeters

(i ii)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn solid fuel (excluding boilersthose listed stated in the preceding row)	600 cubic centimeters
(i v)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn crude oil tar (excluding those boilers listed stated in the preceding two rows)	280 cubic centimeters
(v)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order other than those boilers listed stated in the preceding four rows	230 cubic centimeters
(v i)	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order (limited to heating furnacesthose that havewith an emission gas volumes amount of 40,000 cubic meters or more, and excluding heating furnaces for forge welding steel pipes)	220 cubic centimeters
(v ii)	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order (limited to heating furnacesthose that have with an emission gas volumes amount of 40,000 cubic meters or more, and excluding cracking furnaces and independent overheating furnaces for the manufacture ofing ethylene, reforming furnaces for the manufacturing of methanol, and reforming furnaces for the manufacturing of ammonia)	210 cubic centimeters

Remarks

The provisions stated of in Remarks 1 and 2 attached to Appended Table 3-2 apply mutatis mutandis to the volume amount of nitrogen dioxides listed stated in the right column of this Ttable. In this case, in Remark 1 attached to that table, the phrase "“row (ii)2 and row (v)5”" in Remark 1 of the table is read as deemed to be replaced with "“row (ii)2, row (iii)3 and row (vii)7,”" the phrase "“row (iii)3”" is read deemed to be replaced withas "“row (iv)4 and row (v)5”", and the phrase "“row (iv)4”" is deemed to be replaced withread as "“row (vi)6.”"

Supplementary Provisions [Order of the Prime Minister's Office No.10 of March 26, 1974] [Extract]

- (1) This Order comes into effect on April 1, 1974.
- (2) Notwithstanding the provisions of paragraph (2) of the Supplementary Provisions, if the value "K" included in the formula prescribed in Article 3, paragraph (1) (referred to as the "K value" below) for an area is replaced with the value determined by an ordinance or rule established by the local government, until otherwise provided for by law, pursuant to the provisions of paragraph (2) of the Supplementary Provisions of Regulations for Enforcement of the Air Pollution Control Act (referred to as "the Supplementary Provisions" below), but the value determined by the ordinance or rule is not smaller than the value for that area as stated in the right column of Appended Table 1, as amended by this Order of the Prime Minister's Office, the K value for that area is replaced with the value stated in that right column.
- (3) Notwithstanding the provisions of Article 2, paragraph (1) of the Order on Special Measures for the Application of Laws and Regulations Related to the Environmental Agency Associated with the Reversion of Okinawa (Order of the Prime Minister's Office No.31 of 1972; referred to as "Order on Special Measures" below), if the K value for an area is replaced with the value determined by the Regulations for Enforcement of the Okinawa Air Pollution Control Act (Regulations No. 35 of 1972), until otherwise provided for by law, pursuant to the provisions of Article 2, paragraph (1) of the Order of the Prime Minister's Office on Special Measures, but the value determined by those Regulations is not smaller than 17. 5, the K value for that area is to be replaced with 17. 5.
- (5) The provisions of Article 7, paragraph (1), as amended by this Order of the Prime Minister's Office, do not apply to a facility generating soot or smoke, if the effective date of this Order of the Prime Minister's Office comes earlier than the day following the last day in the period in which that facility must not be installed pursuant to the provisions of Article 10, paragraph (1) of the Act (or earlier than the day following the last day in the shorten period, if the period is shortened pursuant to the provisions of paragraph (2) of that Article) (or the effective date of this Order of the Prime Minister's Office comes earlier than the day following the date on which the construction plan was approved, in cases for which the provisions of Article 27, paragraph (2) of the Act provide that the Electricity Business Act (Act No. 170 of 1964) or the Gas Business Act (Act No. 51 of 1954) equivalent to Article 10, paragraph (1) of the Act is applicable).
- (6) The provisions of Article 7, paragraph (1) before the amendment by this Order of the Prime Minister's Office remain in force for the facilities generating soot or smoke as referred to in the preceding paragraph within the areas stated in Appended Table 4 before the amendment by this Order of the Prime Minister's

Office.

- (7) Notwithstanding the provisions of the preceding paragraph or paragraph (5) of the Supplementary Provisions of the Order of the Prime Minister's Office Partially Amending the Regulations for Enforcement of the Air Pollution Control Act (Order of the Prime Minister's Office No.59 of 1971; referred to as "the Amending Order" below), if a facility generating soot or smoke as prescribed in the preceding paragraph or paragraph (5) of the Amending Order, is subject to the emission standard for sulfur oxides pursuant to the provisions of that paragraph, but the K value used for that emission standard is larger than the value stated in the right column of the amended Table 1, for an area where that facility has been installed as stated in the middle column of that table, the emission standard for sulfur oxides applicable to that facility is replaced with the amount of sulfur oxides which is calculated by using the formula referred to in Article 3, paragraph (1), and using the value stated in the right column as the K value for that formula.
- (8) Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Order of the Prime Minister's Office comes into effect.

Supplementary Provisions [Order of the Prime Minister's Office No.71 of November 30, 1974] [Extract]

- (1) This Order of the Prime Minister's Office comes into effect on the date of promulgation.

Supplementary Provisions [Order of the Prime Minister's Office No.33 of April 14, 1975]

- (1) This Order of the Prime Minister's Office comes into effect on April 15, 1975.
- (2) Notwithstanding the provisions of paragraph (2) of the Supplementary Provisions, if the value "K" included in the formula prescribed in Article 3, paragraph (1) for an area is replaced with the value determined by an ordinance or rule established by a local government, until otherwise provided for by law, pursuant to the provisions of paragraph (2) of the Supplementary Provisions of the Regulations for Enforcement of the Air Pollution Control Act (referred to as "the Supplementary Provisions" below), but the value determined by that ordinance or rule is not smaller than the value for that area as stated in the right column of Appended Table 1, as amended by this Order of the Prime Minister's Office, the value "K" for that area is replaced with the value stated in that right column.
- (3) Notwithstanding paragraph (5) of the Supplementary Provisions of the Order

of the Prime Minister's Office Partially Amending the Regulations for Enforcement of the Air Pollution Control Act (Order of the Prime Minister's Office No.59 of 1971; referred to as "the Amending Order of 1971" below), or paragraph (6) of the Supplementary Provisions of the Order of the Prime Minister's Office Partially Amending the Regulations for Enforcement of the Air Pollution Control Act (Order of the Prime Minister's Office No.10 of 1974; referred to as "the Amending Order of 1974" below), if a facility generating soot or smoke as prescribed in paragraph (5) of the Supplementary Provisions of the Amending Order of 1971 or paragraph (6) of the Supplementary Provisions of the Amending Order of 1974, is subject to the emission standard for sulfur oxides pursuant to the provisions of that paragraph, but the value "K" used for the emission standard is larger than the value stated in the right column of the amended Table 1 for an area where that facility has been installed as stated in the middle column of that table, the emission standard for sulfur oxides applicable to that facility is replaced with the amount of sulfur oxides which is calculated by using the formula referred to in Article 3, paragraph (1), and using the value stated in the right column as the value "K" for that formula.

- (4) In a case related to the provisions of Article 13, paragraph (1) of the Air Pollution Control Act (Act No. 97 of 1968; referred to as "the Act" below), the provisions included in Appended Table 1 and the preceding two paragraphs, as amended by this Order of the Prime Minister's Office, do not apply to a person that has in place a facility generating soot or smoke as of the effective date of this Order of the Prime Minister's Office (this includes a person doing work on the installation of a facility at that time) until the day stated in each of the following items for the facility stated in that items, and prior laws and regulations continue to govern this:
- (i) the facilities stated in Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; referred to as "Cabinet Order" below) (excluding the facilities stated from the following item to item (iv)): July 15, 1975;
 - (ii) the sintering furnaces (or pellet kilns) stated in row (iii) of Appended Table 1 of the Cabinet Order: March 31, 1976 (or March 31, 1977, if their actual outlet height cannot be raised pursuant to the provisions of Article 49, paragraph (1) of the Civil Aeronautics Act (Act No. 231 of 1952 (including as applied mutatis mutandis pursuant to the provisions of Article 170, paragraph (2) of the Self Defense Forces Act (Act No. 165 of 1954)) or pursuant to the provisions of Article 56-4, paragraph (1) of the Civil Aeronautics Act);
 - (iii) the catalytic regeneration towers stated in row (viii) of Appended Table 1 of the Cabinet Order, if installation work is underway as of the effective date of this Order of the Prime Minister's Office regarding a facility to remove

- sulfur contained in the raw material oil which is injected into the fluidized catalytic cracker for those catalytic regeneration towers: December 31, 1975 (or the date on which the work is completed, if the work is completed before December 31, 1975); and
- (iv) the facilities generating soot or smoke, if installation work is underway as of the effective date of this Order of the Prime Minister's Office regarding a sulfur oxide processing facility (meaning a facility with the capability specified by the Commissioner of the Environmental Agency, which is established for processing sulfur oxides from those facilities generating soot or smoke, before the sulfur oxides are emitted into the atmosphere from the outlets) which is attached to the facilities stated in Appended Table 1 of the Cabinet Order (excluding the facilities stated in item (ii)): March 31, 1976 (or the date on which the work is completed, if the work is completed before March 31, 1976).
- (5) Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Order of the Prime Minister's Office comes into effect.

Supplementary Provisions [Order of the Prime Minister's Office No.75 of December 9, 1975]

- (1) This Order of the Prime Minister's Office comes into effect on December 10, 1975.
- (2) Until otherwise provided for by law, the provisions of Article 5 do not apply to the facilities stated in the middle column of rows (ii)-i through (v)-iii and row (vii) of Appended Table 3 which have been installed before this Order of the Prime Minister's Office comes into effect (including the facilities for which installation work is underway at that time and excluding the facilities prescribed in the following paragraph through paragraph (5) of the Supplementary Provisions).
- (3) Notwithstanding the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, until otherwise provided by law, the emission standard for nitrogen oxides from the facilities stated in the middle column of Appended Table 1 of the Supplementary Provisions for which installation work began during the period from August 10, 1973 to the day preceding the effective date of this Order of the Prime Minister's Office is replaced with the amount stated in the right column of Appended Table 1 of the Supplementary Provisions regarding nitrogen oxides included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the middle column of that table.

- (4) Notwithstanding the provisions included in Appended Table 3-2, until November 30, 1977, the emission standard for nitrogen oxides from the facilities stated in the middle column of Appended Table 2 of the Supplementary Provisions for which installation work was completed by August 9, 1973, is replaced with the amount stated in the right column of Appended Table 2 of the Supplementary Provisions regarding nitrogen oxides included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the middle column of that table.
- (5) Until November 30, 1977, the provisions of Article 5 do not apply to the facilities stated in the middle column of Appended Table 3 of the Supplementary Provisions which have been installed before this Order of the Prime Minister's Office comes into effect (including the facilities for which installation work is underway at that time and excluding the facilities stated in the preceding two paragraphs).
- (6) Notwithstanding the provisions included in Appended Table 3-2, until otherwise provided by law, the emission standard for nitrogen oxides from a facility provided in the preceding two paragraphs is the amount stated in the right column of Appended Table 3 of the Supplementary Provisions regarding nitrogen oxides included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the middle column of that table; and this applies from December 1, 1977.
- (7) Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Order of the Prime Minister's Office comes into effect.

Appended Table 1 of the Supplementary Provisions

(i))	Boilers listed stated in row (i)1 of Appended Table 1 of the Enforcement Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; hereinafter referred to as the "Cabinet Order" below), which exclusively burn gas (those boilers are limited to those that havewith an emission gas volumes amount of 40,000 cubic meters or more; the same applies in this Table (the emission gas amount means the maximum volume amount of emission gases per hour when calculated as if measured under the conditions of with a temperature of zero0 degrees Celsius and 1a pressure of one standard atmosphere unit; the same applies hereinafterbelow) of 40,000 cubic meters or more; the same applies hereinafter in this Table) that exclusively burn gas	130 cubic centimeters
(i) i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn solid fuel	480 cubic centimeters
(i) ii)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order other than those listed stated in the preceding two rows	180 cubic centimeters
(i) v)	Heating furnaces listed stated in row 6(vi) of Appended Table 1 of the Cabinet Order (limited to heating furnacesthose that havewith an emission gas volumes amount of 10,000 cubic meters or more, and excluding heating furnaces for forge welding steel pipes)	200 cubic centimeters

(v))	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order (limited to heating furnaces those that have with an emission gas volumes amount of 10,000 cubic meters or more, and excluding cracking furnaces and independent overheating furnaces for the manufacturing of ethylene, reforming furnaces for the manufacturing of methanol, and reforming furnaces for the manufacturing of ammonia)	170 cubic centimeters
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Remarks

The provisions of stated in Remarks 1 and 2 attached to of Appended Table 3-2 shall apply mutatis mutandis to the volume amount of nitrogen oxides listed stated in the right column of this Table.

Appended Table 2 of the Supplementary Provisions

(i))	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, which exclusively burn gas (limited to those boilers that have with an emission gas volumes amount of 100,000 cubic meters or more; the same applies hereinafter in this Table) that exclusively burn gas	170 cubic centimeters
(i) i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, which that burn coal (limited to boiler those with a calorific value of 5,000 kilocalories or less per kilogram)	750 cubic centimeters
(i) ii)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, which that burn solid fuel (excluding those boilers listed stated in the preceding row)	600 cubic centimeters
(i) v)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, which that burn crude oil tar (excluding boiler those stated listed in the preceding two rows)	280 cubic centimeters
(v))	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order other than those stated listed in the preceding rows	230 cubic centimeters

(v i)	Heating furnaces stated listed in row (vi)6 of Appended Table 1 of the Cabinet Order (limited to heating furnaces those that have with an emission gas volumes amount of 40,000 cubic meters or more, and excluding heating furnaces for forge welding steel pipes)	220 cubic centimeters
(v ii)	Heating furnaces stated listed in row (vii)7 of Appended Table 1 of the Cabinet Order (limited to heating furnaces those that have with an emission gas volumes amount of 40,000 cubic meters or more, and excluding cracking furnaces and independent overheating furnaces for the manufacture of ethylene, reforming furnaces for the manufacturing of methanol, and reforming furnaces for the manufacturing of ammonia)	210 cubic centimeters

Remarks

The provisions stated in of remarks 1 and 2 attached to Appended Table 3-2 apply mutatis mutandis to the volume amount of nitrogen dioxides listed stated in the right column of this Table. In this case, in Remark 1 attached to of that table, the phrase "row (ii)2, row (v)5 and row (v)5-2" is read as deemed to be replaced with "row (ii)2, row (iii)3 and row (vii)7," the phrase "row (iii)3" is read as deemed to be replaced with "row (iv)4 and row (v)5" and the phrase "row (iv)4 and row (iv)4-2" is read deemed to be replaced with as "row (vi)6."

Appended Table 3 of the Supplementary Provisions

(i)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, which exclusively burn gas with an emission gas amount of 40,000 cubic meters or more (limited to those boilers that have with an emission gas volume amount of 10,000 cubic meters or more; the same applies hereinafter in this Table) that exclusively burn gas and have emission gas volumes of 40,000 cubic meters or more	130 cubic centimeters
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(i i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which exclusively burn gas and have with an emission gas volumes amount of less than 40,000 cubic meters	150 cubic centimeters
(i ii)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn coal (limited to those coal with a calorific value of 5,000 kilocalories or less per kilogram)	750 cubic centimeters
(i v)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn solid fuel (excluding those boilers listed stated in the preceding row)	600 cubic centimeters
(v)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn crude oil tar (excluding those boilers listed stated in the preceding two rows)	280 cubic centimeters
(v i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order with an emission gas amount of 100,000 cubic meters or more, other than those the boilers listed stated in the preceding rows with emission gas volumes of 100,000 cubic meters or more	230 cubic centimeters

(v ii)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order with an emission gas amount of 40,000 cubic meters or more, other than the boilersthose listed stated in the preceding rows, which have emission gas volumes of 40,000 cubic meters or more (and other than boilers excluding those with for which sulfur oxide processing units facilities have been installed as of the effective date of this Order of the Prime Minister's Office (the sulfur oxide processing facilities mentioned above meaning the units facilities which are installed for to processing sulfur oxides generated at units generating soot and smoke before they are emitted into the atmosphere from an the outlets of the facilities generating soot or smoke, and which have the capacity to reduce the volume amount of sulfur oxides emitted byfrom those unit facilitiesgenerating soot and smoke by 80 percent or more, and including those for which installation work is underway as of the effective date ofat the time this Order of the Prime Minister's Office comes into force) attached at the time this Order of the Prime Minister's Office comes into force)	190 cubic centimeters
(v ii i)	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order, which have emission gas volumes of 40,000 cubic meters or more (limited to heating furnacethose that havewith an emission gas volumes amount of 10,000 cubic meters or more, and excluding heating furnaces for forge welding steel pipes; the same applies in the following row), which have emission gas volumes of 40,000 cubic meters or more	220 cubic centimeters

(i x)	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order with anthat have emission gas volumes amount of less than 40,000 cubic meters	200 cubic centimeters
(x)	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order with an emission gas amount of 40,000 cubic meters or more (limited to heating furnacesthose that havewith an emission gas volumes amount of 10,000 cubic meters or more, and excluding cracking furnaces and independent overheating furnaces the for manufacturing of ethylene, reforming furnaces for the manufacturing of methanol, and reforming furnaces for the manufacturing of ammonia; the same applies in the following row), which have emission gas volumes of 40,000 cubic meters or more	210 cubic centimeters
(x i)	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order that havewith an emission gas volumes amount of less than 40,000 cubic meters	180 cubic centimeters

Remarks

The provisions of stated in Rremarks 1 and 2 attached to Appended Table 3-2 apply mutatis mutandis to the volumeamount of nitrogen dioxides listed stated in the right column of this Ttable. In this case, in Remark 1 of thate table, the phrase "“row (i)1 and row (i)1-2”" is read asdeemed to be replaced with "“row (i)1 and row (ii)2, the phrase "“row (ii)2, row (v)5 and row (v)5-2”" is read asdeemed to be replaced with "“row (iii)3, row (iv)4, row (x)10, and row (xi)11,” the phrase "“row (iii)3”" is deemed to be replaced withread as "“row (v)5, row (vi)6 and row (vii)7”" and the phrase "“row (iv)4 and row (iv)4-2”" is read asdeemed to be replaced with "“row (viii)8 and row (ix)9.”"

Supplementary Provisions [Order of the Prime Minister's Office No.50 of September 28, 1976] [Extract]

- (1) This Order comes into effect on the date of promulgation.
- (2) Notwithstanding the provisions of paragraph (2) of the Supplementary Provisions, if the value "K" included in the formula prescribed in Article 3, paragraph (1) for an area is replaced with the value determined by an ordinance or rule established by a local government, until otherwise provided for by law, pursuant to the provisions of paragraph (2) of the Supplementary

Provisions of the Regulations for Enforcement of the Air Pollution Control Act (referred to as "the Supplementary Provisions" below), but the value determined by that ordinance is not smaller than the value for that area as stated in the right column of Appended Table 1, as amended by this Order, the value "K" for that area is replaced with the value stated in that right column.

- (3) Notwithstanding paragraph (5) of the Supplementary Provisions of the Order of the Prime Minister's Office Partially Amending the Regulation for Enforcement of the Air Pollution Control Act (Order of the Prime Minister's Office No.59 of 1971; referred to as "Amending Order of 1971" below), or paragraph (6) of the Supplementary Provisions of the Order of the Prime Minister's Office Partially Amending the Regulation for Enforcement of the Air Pollution Control Act (Order of the Prime Minister's Office No.10 of 1974; referred to as "Amending Order of 1974" below), if a facility generating soot or smoke as prescribed in paragraph (5) of the Supplementary Provisions of the Amending Order of 1971 or paragraph (6) of the Supplementary Provisions of the Amending Order of 1974, is subject to the emission standard for sulfur oxides pursuant to the provisions of that paragraph, but the value "K" used for the emission standard is not smaller than the value stated in the right column of the amended Appended Table 1 for an area where that facility has been installed as stated in the middle column of that table, the emission standard for sulfur oxides applicable to that facility is replaced with the amount of sulfur oxides which is calculated by using the mathematical formula referred to in Article 3, paragraph (1), and using the value stated in the right column as the value "K" for that formula.
- (4) In a case related to the provisions of Article 13, paragraph (1) of the Air Pollution Control Act (Act No. 97 of 1968; referred to as "the Act" below), the provisions of the Appended Table 1 and the preceding two paragraphs, as amended by this Order of the Prime Minister's Office, do not apply to a person that has in place a facility generating soot or smoke as of the effective date of this Order of the Prime Minister's Office (this includes a person doing work on the installation of a facility at that time; the same applies below) until December 25, 1976 (or do not apply to a person that has in place a facility stated in the following items as of that day, until September 25, 1977, for that facility (or until the date on which the work is completed, if the work is completed before September 25, 1977)), and prior laws and regulations continue to govern this:
- (i) a facility generating soot or smoke, if installation work is underway regarding a sulfur oxide processing facility attached to that facility as stated in Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; referred to as "Cabinet Order" below) (the sulfur oxide processing facility means a facility satisfying the

- following requirements: it is established for processing sulfur oxides from a facility generating soot or smoke before they are emitted into the atmosphere from its outlet; it has the capability to reduce the amount of sulfur oxides emitted from that facility by 80 percent or more; and the amount of the sulfur oxides emitted into the atmosphere from its outlet after the process conform to the sulfur oxide emission standard as amended by this Order of the Prime Minister's Office);
- (ii) a facility generating soot or smoke (limited to facility installed by a small or medium-sized enterprise (meaning a small or medium-sized enterprise prescribed in Article 2 of the Small and Medium-sized Enterprise Basic Act (Act No. 154 of 1963)), if installation work is underway to raise the actual outlet height of that facility as stated in Appended Table 1 of the Cabinet Order (the facility is limited to one with the actual height of its outlet less than 20 meters) to 20 meters or more.
- (6) Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Order of the Prime Minister's Office comes into effect.

Supplementary Provisions [Order of the Prime Minister's Office No.6 of April 2, 1977]

- (1) This Order of the Prime Minister's Office comes into effect on the date of promulgation.
- (2) Notwithstanding the provisions of Article 18, paragraph (1), item (v) of the Regulations for Enforcement of the Air Pollution Control Act, as amended by this Order of the Prime Minister's Office, until April 1, 1978, prior laws and regulations may be applicable to oxidant measurement equipment which has been installed as of the effective date of this Order of the Prime Minister's Office (excluding oxidant measurement equipment prescribed in Article 18, paragraph (1), item (v) of the Regulations for Enforcement of the Air Pollution Control Act, as amended by this Order of the Prime Minister's Office); provided, however, that the hourly value of oxidants for this case is to be calculated by multiplying the measured hourly value by 0.8.

Supplementary Provisions [Order of the Prime Minister's Office No.32 of June 16, 1977]

- (1) This Order of the Prime Minister's Office comes into effect on June 18, 1977; provided, however, that the part which relates to the boilers (excluding those which burn only gases and those which burn solid fuel) stated in row (i) of Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act

(Cabinet Order No. 329 of 1968; referred to as "Cabinet Order" below) from which less than 10,000 cubic meters of gases are emitted (this amount of gasses means the maximum amount of emission gases per hour when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit; the same applies below) (the boilers mentioned above are referred to as "liquid fuel fired small boilers" below) come into effect on September 10, 1977.

- (2) The provisions included in Appended Table 3, as amended by this Order of the Prime Minister's Office, do not apply to the waste incinerators stated in row (xiii) of Appended Table 1 of Cabinet Order which have been installed as of the effective date of this Order of the Prime Minister's Office (including a facility for which installation work is underway), until November 30, 1979.
- (3) The nitrogen oxide emission standard does not apply to the facilities stated in the second column of the amended Appended Table 3-2 which has been installed as of the effective date of this Order of the Prime Minister's Office (or September 10, 1977, for a liquid fuel fired small boiler; the same applies in paragraph (6) of the Supplementary Provisions) (including a facility for which installation work is underway at that time and excluding a facility prescribed in row (xii) of that table and a facility prescribed in the following paragraph through paragraph (6) of the Supplementary Provisions), until otherwise provided for by law.
- (4) Notwithstanding the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, until otherwise provided by law, the emission standard for nitrogen oxides from the facilities stated in the second column of Appended Table 1 of the Supplementary Provisions for which installation work began during the period from August 10, 1973 until December 9, 1975, is replaced with the amount stated in the fourth column of Appended Table 1 of the Supplementary Provisions regarding nitrogen oxides included for each cubic meter of emission gases when measured under the conditions with 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the second column of that table and each scale of the facilities stated in the third column of that table.
- (5) Notwithstanding the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, until otherwise provided by law, the emission standard for nitrogen oxides from the facilities stated in the second column of Appended Table 2 of the Supplementary Provisions for which installation work began during the period from December 10, 1975 until the date preceding the effective date of this Order of the Prime Minister's Office, is replaced with the amount stated in the fourth column of Appended Table 2 of the Supplementary Provisions regarding nitrogen oxides included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in

the second column of that table and each scale of the facilities stated in the third column of that table.

- (6) Notwithstanding the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, until otherwise provided by law, the emission standard for nitrogen oxides from the facilities stated in the second column of Appended Table 3 of the Supplementary Provisions which has been installed as of the effective date of this Order of the Prime Minister's Office (including a facility for which installation work is underway at that time and excluding a facility prescribed in the preceding two paragraphs; the same applies in this paragraph) is replaced with the amount stated in the fourth column of Appended Table 3 of the Supplementary Provisions regarding nitrogen oxides included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the second column of that table and each scale of the facilities stated in the third column of that table; provided, however, that the nitrogen oxide emission standard does not apply to the facilities stated in the following items among those stated in the second column, until the date stated in the relevant item:
- (i) the facility stated in row (i) or rows (iv) through (vii) of Appended Table 3 of the Supplementary Provisions (limited to one with an emission gas amount of 10,000 cubic meters or more and less than 100,000 cubic meters), the facility stated in row (ix) of that table (limited to one with an emission gas amount of 40,000 cubic meters or more and less than 100,000 cubic meters), or the facility stated in row (xi), (xii) or (xvii) of that table (limited to one with an emission gas amount of 10,000 cubic meters or more and less than 40,000 cubic meters): November 30, 1977;
 - (ii) the facility stated in row (i), (iv), (v), (xi), (xii) or (xvii) of Appended Table 3 of the Supplementary Provisions (limited to one with an emission gas amount of less than 10,000 cubic meters), the facility stated in row (viii) of that table (limited to one with an emission gas amount of 10,000 cubic meters or more and less than 100,000 cubic meters), the facility stated in row (ix) of that table (limited to one with an emission gas amount of 10,000 cubic meters or more and less than 40,000 cubic meters), or the facility stated in row (x), rows (xiii) through (xvi), or row (xix) of that table: April 30, 1980;
 - (iii) the facility stated in row (vi) through (ix) of Appended Table 3 of the Supplementary Provisions (limited to one with an emission gas amount of less than 10,000 cubic meters): September 30, 1980;
 - (iv) the facility stated in row (xviii) of Appended Table 3 of the Supplementary Provisions: March 31, 1981.
- (7) Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Order of the Prime Minister's Office

comes into effect.

Appended Table 1 of the Supplementary Provisions

(i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, which exclusively burn gas (limited to boilers with those that have an emission gas volumes amount of 40,000 cubic meters or more; the same applies hereinafter in this Table) that exclusively burn gas		130 cubic centimeters
(i i)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn solid fuel		480 cubic centimeters
(i i i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order other than those listed stated in the preceding two rows		180 cubic centimeters
(i v)	Radiant tube-type heating furnaces among hHeating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order that are radiant tube-type heating furnaces (limited to radiant tube-type heating furnaces those that have with an emission gas volumes amount of 10,000 cubic meters or more)		200 cubic centimeters
(v)	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order (limited to heating furnaces those that have with an emission gas volumes amount of 10,000 cubic meters or more, and excluding heating furnaces for forge welding steel pipes and those heating furnaces listed stated in the preceding row)	The eEmission gas volumes amount of is 100,000 cubic meters or more	200 cubic centimeters until April 301, 1980

			160 cubic centimeters From May 1, 1980
		The eEmission gas volumes of amount is 40,000 cubic meters or more and less than 100,000 cubic meters	200 cubic centimeters until April 30, 1980 170 cubic centimeters From May 1, 1980
		The eEmission gas amount volumes of is less than 40,000 cubic meters	200 cubic centimeters
(v i)	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order (limited to heating furnaces those that have with an emission gas volumes amount of 10,000 cubic meters or more, and excluding cracking furnaces and independent overheating furnaces the for manufacture of ethylene, reforming furnaces for the manufacturing of methanol, and reforming furnaces for the manufacturing of ammonia)		cubic centimeters

Remarks

The amended provisions of stated in Rremarks 1 and 2 attached to Appended Table 3-2 apply mutatis mutandis to the volume amount of nitrogen dioxides listed stated in the fourth column 4 of this Ttable. In this case, in Remark 1 of the amended Appended Table 3-2, the phrase "row (ii)2 and row (ix)9" is read as deemed to be replaced with "row (ii)2 and row (vi)6," and the phrase "15 in the case of units facilities listed stated in row (iv)4, 10 in the case of facilities stated units listed in row (v)5 and row (x)10, 11 in the case of facilities stated units listed in rows (vi)6 through to (viii)row 8" is rdeemed to be replaced with head as "11 in the case of units listed facilities in row (iv)4 and row (v)5."

Appended Table 2 of the Supplementary Provisions

(i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, which exclusively burn gas (limited to those that have boilers with an emission gas volumes amount of 10,000 cubic meters or more; the same applies hereinafter in this Table) that exclusively burn gas	The eEmission gas volumes of amount is 100,000 cubic meters or more	100 cubic centimeters
		The eEmission gas volumes of amount is less than 100,000 cubic meters	130 cubic centimeters
(ii)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn solid fuel		480 cubic centimeters
(iii)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order other than those listed stated in the preceding two rows		150 cubic centimeters
(iv)	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order (limited to heating furnaces those that have with an emission gas volumes amount of 10,000 cubic meters or more, and excluding heating furnaces for forge welding steel pipes for those if the emission gas amount is less than 100,000 cubic meters)	The eEmission gas volumes of is 100,000 cubic meters or more	100 cubic centimeters
		The eEmission gas volumes of is less than 100,000 cubic meters	150 cubic centimeters
(v)	Heating furnaces listed in row (vii)7 of Appended Table 1 of the Cabinet Order (limited to heating furnaces those that have with an emission gas volumes amount of 10,000 cubic meters or more)	The eEmission gas volumes of is 40,000 cubic meters or more	100 cubic centimeters
		The eEmission gas volumes of is less than 40,000 cubic meters	150 cubic centimeters

		The eEmission gas amountvolume of is 40,000 cubic meters or more and less than 100,000 cubic meters	130 cubic centimeters from December 1, 1977
		The eEmission gas amountvolume of is 10,000 cubic meters or more and less than 40,000 cubic meters	150 cubic centimeters from December 1, 1977
		The eEmission gas amountvolume is of less than 10,000 cubic meters	150 cubic centimeters from May 1, 1980
(i i i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn coal (limited to coalthose with a calorific value of 5,000 kilocalories or less per kilogram; the applies below in this table) that by useusing the ceiling burner combustion method		650 cubic centimeters
(i i i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, which that burn coal and have a furnace separating wall radiant superheater (limited to those boilers with a furnace heat release rate of 140,000 kilocalories per cubic meter per hour or more during maximum continuous evaporation)		750 cubic centimeters until April 30, 1980 550 cubic centimeters from May 1, 1980
(i v)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn coal (excluding those boilers listed stated in the preceding two rows)	The eEmission gas amountvolume of is 100,000 cubic meters or more	750 cubic centimeters until April 30, 1980 480 cubic centimeters from May 1, 1980

		The eEmission gas volume amount is of 10,000 cubic meters or more and less than 100,000 cubic meters	750 cubic centimeters from December 1, 1977
		The eEmission gas amount volume of is less than 10,000 cubic meters	480 cubic centimeters from May 1, 1980
(v)	Boilers listed stated in row (i) 1 of Appended Table 1 of the Cabinet Order, which that burn solid fuel (excluding those boilers listed stated in the three preceding rows)	The eEmission gas volume amount is of 100,000 cubic meters or more	600 cubic centimeters until April 30, 1980
			480 cubic centimeters from May 1, 1980
		The eEmission gas amount volume of is 10,000 cubic meters or more and less than 100,000 cubic meters	600 cubic centimeters from December 1, 1977
		The eEmission gas amount volume of is less than 10,000 cubic meters	480 cubic centimeters from May 1, 1980

(v i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn crude oil tar (excluding those listed boilers stated from row (ii)2 to through the preceding row), and for which those with sulfur oxide processing units facilities have been installed as of the effective date of this Order of the Prime Minister's Office (the sulfur oxide processing facilities mentioned above meaning units the facilities which are installed to for processing sulfur oxides generated at a unit generating soot and smoke before they are emitted into the atmosphere from the outlets of the facilities generating soot or smoke, and which have the capability to reduce the volume amount of sulfur oxides generated by from those the unit generating soot and smoke facilities by 80 percent or more, and including those for which installation work is underway at the time as of the effective date of this Order of the Prime Minister's Office comes into force) attached at the time of this Order of the Prime Minister's Office comes into force; the same applies below in this Table)) (the boilers mentioned above are limited to those the boilers that have with an emission gas volumes amount of less than 1,000,000 cubic meters)	The eEmission gas volume of amount is 100,000 cubic meters or more	280 cubic centimeters until April 30, 1980
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			210 cubic centimeters from May 1, 1980
		The eEmission gas volume of amount is 10,000 cubic meters or more and less than 100,000 cubic meters	280 cubic centimeters from December 1, 1977
		The eEmission gas amount volume of is less than 10,000 cubic meters	280 cubic centimeters from October 1, 1980
(vii)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn crude oil tar (excluding those boilers listed stated from row (ii)2 to through the preceding row)	The eEmission gas amount volume of is 500,000 cubic meters or more	280 cubic centimeters until April 30, 1980
			180 cubic centimeters from May 1, 1980
		The eEmission gas amount volume of is 100,000 cubic meters or more and less than 500,000 cubic meters	280 cubic centimeters until April 30, 1980
			190 cubic centimeters from May 1, 1980
		The eEmission gas amount volume of is 10,000 cubic meters or more and less than 100,000 cubic meters	280 cubic centimeters from December 1, 1977
		The eEmission gas volume oamount isf less than 10,000 cubic meters	250 cubic centimeters from October 1, 1980

		The eEmission gas volume of amount is 40,000 cubic meters or more and less than 100,000 cubic meters	190 cubic centimeters From December 1, 1977
		The eEmission gas volume of amount is 10,000 cubic meters or more and less than 40,000 cubic meters	230 cubic centimeters from May 1, 1980
		The eEmission gas volume of amount is less than 10,000 cubic meters	250 cubic centimeters from October 1, 1980
(x)	Sintering furnaces listed stated in row (iii)3 of Appended Table 1 of the Cabinet Order (limited to sintering furnaces those that have with an emission gas volume amount of 10,000 cubic meters or more, and excluding pellet kilns)	The eEmission gas volume of amount is 100,000 cubic meters or more	260 cubic centimeters from May 1, 1980
		The eEmission gas volume of amount is less than 100,000 cubic meters	270 cubic centimeters from May 1, 1980
(xi)	Radiant tube-type heating furnaces among hHeating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order that are radiant tube-type heating furnaces (limited to radiant tube-type heating furnaces those that have with an emission gas volume amount of 5,000 cubic meters or more)	The eEmission gas volume of amount is 40,000 cubic meters or more	220 cubic centimeters until April 30, 1980
			200 cubic centimeters from May 1, 1980
		The eEmission gas volume of amount is 10,000 cubic meters or more and less than 40,000 cubic meters	200 cubic centimeters from December 1, 1977
		The eEmission gas volume of amount is less than 10,000 cubic meters	200 cubic centimeters from May 1, 1980

(x i i i i)	Heating furnaces listed stated in row (vii) 7 of Appended Table 1 of the Cabinet Order (limited to heating furnaces those that have with an emission gas volumes amount of 5,000 cubic meters or more; the same applies hereinafter in this Table) that are equipped with for which sulfur oxide processing units facilities are installed at the time as of the effective date of this Order of the Prime Minister's Office comes into force (the heating furnaces are limited to those that have with an emission gas amount volume of less than 10,000 cubic meters)		190 cubic centimeters from May 1, 1980
(x i v)	Cracking furnaces for manufacturing ethylene, among heating furnaces listed stated in row (vii) 7 of Appended Table 1 of the Cabinet Order that are cracking furnaces for the manufacture of ethylene (excluding the heating furnaces those listed stated in the preceding row and those cracking furnaces with an emission gas volumes amount of 10,000 cubic meters or more and less than 40,000 cubic meters)	The emission gas volume of amount is 40,000 cubic meters or more	170 cubic centimeters from May 1, 1980
		The emission gas volume amount is of less than 10,000 cubic meters	180 cubic centimeters from May 1, 1980

(xv)	Heating furnaces listed in row 7 of Appended Table 1 of the Cabinet Order that are independent overheating furnaces for the manufacturing of ethylene, and reforming furnaces for the manufacturing of methanol, among heating furnaces stated in row (vii) of Appended Table 1 of the Cabinet Order (excluding those heating furnaces listed stated in row (xiii)13 and excluding those independent overheating furnaces or reforming furnaces that have with an emission gas volumes amount of 40,000 cubic meters or more and less than 100,000 cubic meters)	The eEmission gas volume of amount is 100,000 cubic meters or more	170 cubic centimeters from May 1, 1980
		The eEmission gas volume of amount is less than 40,000 cubic meters	180 cubic centimeters from May 1, 1980
(xvi)	Reforming furnaces for manufacturing ammonia, among heating furnaces stated listed in row (vii)7 of Appended Table 1 of the Cabinet Order that are reforming furnaces for the manufacture of ammonia (excluding those heating furnaces listed stated in row (xiii)13)	The eEmission gas volume of amount is 40,000 cubic meters or more	170 cubic centimeters from May 1, 1980
		The eEmission gas volume of amount is less than 40,000 cubic meters	180 cubic centimeters from May 1, 1980

(xviii)	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order (excluding those heating furnaces listed stated in row (xiii)13, the cracking furnaces and or independent overheating furnaces for the manufacture of ethylene, the reforming furnaces for the manufacture of methanol, and or the reforming furnaces for the manufacturing of ammonia)	The eEmission gas volume of amount is 40,000 cubic meters or more	210 cubic centimeters until April 30, 1980
			170 cubic centimeters from May 1, 1980
		The eEmission gas volume of amount is 10,000 cubic meters or more and less than 40,000 cubic meters	180 cubic centimeters from December 1, 1977
		The eEmission gas volume of amount is less than 10,000 cubic meters	180 cubic centimeters from May 1, 1980
(xvii)	Kilns listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order (limited to the kilns those used for the manufacture of cement, and excluding the kilns those of wet type)		480 cubic centimeters from April 1, 1981
(xxix)	Coke ovens listed stated in row (xxviii)28 of Appended Table 1 of the Cabinet Order (excluding those coke ovens of Otto type)		350 cubic centimeters from May 1, 1980

Remarks

The amended provisions of stated in Rremarks 1 and 2 attached to amended Appended Table 3-2 apply mutatis mutandis to the volume amount of nitrogen dioxides listed stated in the fourth column 4 of this Ttable. In this case, in Remark 1 of attached to the amended Appended Table 3-2, the phrase "row (ii)2 and row (ix)9" is read asdeemed to be replaced with "row (ii)2 to through row (v)5 and row (xiii)13 to rowthrough (xvii)17," the phrase "row (iii)3" is read asdeemed to be replaced with "row (vi)6 to row 9through (ix)", the phrase "row (iv)4" is read asdeemed to be replaced with "row 10(x)", the phrase "row (v)5 and row (x)10" is read asdeemed to be replaced with "row (xviii)18," the phrase "row (vi) 6 through (viii)to" row 8" is read asdeemed to be replaced with "row (xi)11 and row (xii)12)", and the phrase "12 in the case of units listedfacilities stated in row (xi)11, the value "Os"0s in the case of units listedfacilities stated in row (xii)12, 7 in the case of units listedfacilities stated in row (xiii)13" is read asdeemed to be replaced with "7 in the case of units listedfacilities stated in row (xix)19."

Supplementary Provisions [Order of the Prime Minister's Office No.37 of August 2, 1979]

- (1) This Order of the Prime Minister's Office comes into effect on August 10, 1979.
- (2) Until August 9, 1982, the emission standard for nitrogen oxides does not apply to the following facilities among those referred to in Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; hereinafter referred to as "Cabinet Order") which have been installed as of the effective date of this Order of the Prime Minister's Office (the facilities mentioned above include a facility for which installation work is underway; the same applies below): the calcination furnaces stated in row (iii) of Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; referred to as "Cabinet Order" below) (excluding one used for manufacturing alumina); the blast furnaces stated in row (i) of that table that fall under the category of the scorification furnaces used for smelting zinc (limited to one that uses coal or coke as fuel and a reducing agent); or the melting furnaces that fall under the category of the refining furnaces used for refining copper (limited to one using ammonia as a reducing agent) or the zinc or cadmium rectification furnaces used for refining zinc (limited to one that burns liquid petroleum gas or coke furnace gas).
- (3) Until otherwise provided for by law, the emission standard for nitrogen oxides does not apply to the heating furnaces stated in row (vi) of Appended Table 1 of the Cabinet Order which are used for forge welding steel pipes, the kilns stated in row (ix) of that table which are used for the manufacture of cement and are of wet type, or the coke furnaces stated in row (xxviii) of that table which are of Otto type, if their installation work started by June 17, 1977 (excluding one with an emission gas amount of 100,000 cubic meters or more (that emission

gas amount means the maximum amount of gases emitted per hour when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit; the same applies below) for which installation work started on December 10, 1975 or later); the waste incinerators stated in row (xiii) of that table (excluding a continuous furnace) for which installation work started by June 17, 1977; or the boilers stated in row (i) of that table which are of overload firing type (limited to one with an emission gas amount of less than 5,000 cubic meters and excluding one which exclusively burns gas or which burns solid fuel) for which installation work started by September 9 of that year.

- (4) Notwithstanding the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, until otherwise provided by law, the emission standard for nitrogen oxides applicable to the facilities stated in the second column of Appended Table 1 of the Supplementary Provisions for which installation work started during the period from August 10, 1973, to December 9, 1975, is replaced with the amount stated in the fourth column of Appended Table 1 of the Supplementary Provisions regarding nitrogen oxides included for each cubic meter of emission gases when measured under the conditions with 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in second column of that table and each scale of the facilities stated in the third column of that table.
- (5) Notwithstanding the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, until otherwise provided by law, the emission standard for nitrogen oxides applicable to the facilities stated in the second column of Appended Table 1 of the Supplementary Provisions for which installation work started during the period from December 10, 1975, to June 17, 1977, is replaced with the amount stated in the fourth column of Appended Table 2 of the Supplementary Provisions regarding nitrogen oxides included for each cubic meter of emission gases when measured under the conditions with 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the second column of that table and scale of the facilities stated in the third column of that table.
- (6) Notwithstanding the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, until otherwise provided by law, the emission standard for nitrogen oxides applicable to the facilities stated in the second column of Appended Table 3 of the Supplementary Provisions which have been installed as of the effective date of this Order of the Prime Minister's Office other than those stated in the following items is replaced with the amount stated in the fourth column of Appended Table 3 of the Supplementary Provisions regarding nitrogen oxides included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the second column of

that table and scale of the facilities stated in the third column of that table:

- (i) the facilities prescribed in the preceding two paragraphs;
- (ii) the following facilities referred to in Appended Table 1 of the Cabinet Order for which installation work started during the period from June 18, 1977 until the day preceding to the effective date of this Order of the Prime Minister's Office:
 - (a) the boilers stated in row (i) of Appended Table 1 of the Cabinet Order (excluding one for which installation work started during the period from June 18, 1977, until September 9, 1977 (excluding one which exclusively burns gas and which burns solid fuel) and whose emission gas amount is less than 10,000 cubic meters (referred to as a "liquid fuel fired small boiler" below));
 - (b) the kilns (limited to one with an emission gas amount of 10,000 cubic meters or more) or calcination furnaces (limited to one used for the manufacture of alumina with an emission gas amount of 10,000 cubic meters or more) as stated in row (iii) of Appended Table 1 of the Cabinet Order;
 - (c) the heating furnaces stated in row (vi) of Appended Table 1 of the Cabinet Order;
 - (d) the heating furnaces stated in row (vii) of Appended Table 1 of the Cabinet Order;
 - (e) the kilns stated in row (ix) of Appended Table 1 of the Cabinet Order which are used for the manufacture of cement;
 - (f) the waste incinerators stated in row (xiii) of Appended Table 1 of the Cabinet Order (limited to one with an emission gas amount of 40,000 cubic meters or more);
 - (g) the coke ovens stated in row (xxviii) of Appended Table 1 of the Cabinet Order.
- (7) In the case referred to in the preceding paragraph, the emission standard for nitrogen oxides does not apply to the facilities which are stated in the second column of Appended Table 3 of the Supplementary Provisions and are also stated in one of the following items, until the dates stated in those items:
 - (i) the facilities stated in row (i), row (v), row (xxi), row (xxii), or row (xxix) of Appended Table 3 of the Supplementary Provisions (limited to one with an emission gas amount of 5,000 cubic meters or more and less than 10,000 cubic meters), the facilities stated in row (viii) of that table (limited to one with an emission gas amount of 10,000 cubic meters or more and less than 100,000 cubic meters), the facilities stated in row (ix) of that table (limited to one with an emission gas amount of 10,000 cubic meters or more and less than 40,000 cubic meters), the facilities stated in row (xvii) of that table (limited to one with an emission gas amount of 10,000 cubic meters or more),

- the facilities stated in row (xxiii), row (xxviii) or row (lxii) of that table, the facilities stated in row (xxv) of that table (limited to one with an emission gas amount of 40,000 cubic meters or more or with an emission gas amount of 5,000 cubic meters or more and less than 10,000 cubic meters), and the facilities stated in row (xxvii) of that table (limited to one with an emission gas amount of 100,000 cubic meters or more or with an emission gas amount of 5,000 cubic meters or more and less than 40,000 cubic meters): April 30, 1980;
- (ii) the facilities stated in row (vi) through (ix) of Appended Table 3 of the Supplementary Provisions (limited to one with an emission gas amount of 5,000 cubic meters or more and less than 10,000 cubic meters): September 30, 1980;
- (iii) the facilities stated in row (xxxiii) of Appended Table 3 of the Supplementary Provisions: March 31, 1981;
- (iv) the facilities stated in row (x) through (xvi), row (xviii) through (xx), row (xxiv), row (xxvi), row (xxx) through (xxxii), or row (xxxiv) through (lxi) of Appended Table 3 of the Supplementary Provisions, the facilities stated in row (xvii) of that table (limited to one with an emission gas amount of less than 10,000 cubic meters), the facilities stated in row (xxi), row (xxii) or row (xxix) of that table (limited to one with an emission gas amount of less than 5,000 cubic meters), the facilities stated in row (xxv) of that table (limited to one with an emission gas amount of 10,000 cubic meters or more and less than 40,000 cubic meters), and the facilities stated in row (xxvii) of that table (limited to one with an emission gas amount of 40,000 cubic meters or more and less than 100,000 cubic meters): August 9, 1982; and
- (v) the facilities stated in row (i) through row (iii) or row (v) to row (ix) of Appended Table 3 of the Supplementary Provisions (limited to one with an emission gas amount of less than 5,000 cubic meters): August 9, 1984.
- (8) Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Order of the Prime Minister's Office comes into effect.

Appended Table 1 of the Supplementary Provisions

(i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, which burn solid fuel (limited to those that have boilers with an emission gas volumes amount of 40,000 cubic meters or more; the same applies hereinafter in the following row) that burn solid fuel		480 cubic centimeters
(i i)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, which that burn liquid fuel (excluding boilerstthose listed stated in the preceding row)		180 cubic centimeters
(i i i)	Radiant tube-type heating furnaces, among hHeating furnaces stated listed in row (vi)6 of Appended Table 1 of the Cabinet Order that are radiant tube-type heating furnaces (limited to heating furnacestthose that have with an emission gas volumes amount of 10,000 cubic meters or more)		200 cubic centimeters
(i v)	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order (limited to heating furnacestthose that havewith an emission gas volumes amount of 10,000 cubic meters or more, and excluding heating furnaces for forge welding steel pipes and those heating furnaces listed stated in the preceding row)	The eEmission gas volumes ofamount is 100,000 cubic meters or more	200 cubic centimeters until April 30, 1980
		The eEmission gas volumes ofamount is 40,000 cubic meters or more and less than 100,000 cubic meters	160 cubic centimeters from May 1, 1980 200 cubic centimeters until April 30, 1980

			170 cubic centimeters from May 1, 1980
		The eEmission gas volumes of amount is less than 40,000 cubic meters	200 cubic centimeters until August 9, 1982 170 cubic centimeters from August 10, 1982
(v)	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order (limited to heating furnaces those that have with an emission gas volumes amount of 10,000 cubic meters or more, and excluding the cracking furnaces and or independent overheating furnaces for the manufacture ofing ethylene, and the reforming furnaces for the manufacture ofing methanol, and reforming furnaces for the manufacture of ammonia, that have which have air preheaters and have with an emission gas volumes amount of 40,000 cubic meters or more and less than 100,000 cubic meters)		170 cubic centimeters

Remarks

$$C = ((21 - O_n) / (21 - O_s)) \cdot C_s$$

(In this equation formula, the symbols "C", "O_n", "O_s" and "C_s" shall represent the following values respectively:

C: Volume the amount of nitrogen oxides (units: cubic centimeters)

O_n: The values listed stated in the right column of the following table for units the facilities referred to in each of the rows listed stated in the left column of the same table.

R o w (i i) 2	4
R o w (i) 1 , r o w (v) 5	6
R o w (i i i) 3 , r o w (i v) 4	11

Os: the cConcentration rate of oxygens included in the emission gasses (or 20 percent, if the concentration rate exceeds 20 percent) (units: percent)

Cs: tThe concentration amount of nitrogen oxides measured using the method specified in Japan Industrial Standard K0104, calculated as the concentration included per for each cubic meter of emission gasses calculated as if when measured under the conditions with a temperature of zero 0 degrees Celsius and 1a pressure of onestandard atmosphere, which is converted from the concentration rate of nitrogen oxides which are measured by using the method specified in Japan Industrial Standard K0104 (units: cubic centimeters))

Appended Table 2 of the Supplementary Provisions

(i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, which exclusively burn gas (limited to those that haveboilers with an emission gas volumes amount of 10,000 cubic meters or more; the same applies hereinafter in this Table) that exclusively burn gas	The eEmission gas volumes of amount is 100,000 cubic meters or more	100 cubic centimeters
		The eEmission gas volumes of amount is less than 100,000 cubic meters	130 cubic centimeters
(ii)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn solid fuel		480 cubic centimeters
(iii)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order other than those listed stated in the preceding two rows		150 cubic centimeters
(iv)	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order (limited to heating furnacethose that have with an emission gas volumes amount of 10,000 cubic meters or more, and excluding heating furnaces for forge welding steel pipes if for thosethe emission gas amount is less than 100,000 cubic meters)	The eEmission gas volumes of amount is 100,000 cubic meters or more	100 cubic centimeters
		The eEmission gas volumes of amount is less than 100,000 cubic meters	150 cubic centimeters

(v)	Heating furnaces stated in row (vii)7 of Appended Table 1 of the Cabinet Order (limited to those that have heating furnaces with an emission gas volumes amount of 10,000 cubic meters or more)	The eEmission gas volumes of amount is 40,000 cubic meters or more	100 cubic centimeters
		The eEmission gas amount is volumes of less than 40,000 cubic meters	150 cubic centimeters
(vi)	Kilns listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order (limited to kiln those with an emission gas volumes of 100,000 cubic meters or more, which are used for the manufacture of cement that have emission gas volumes of 100,000 cubic meters or more)		250 cubic centimeters
(vi)	Coke ovens listed stated in row (xxviii)28 of Appended Table 1 of the Cabinet Order (limited to coke oven those that have with an emission gas volumes amount of 100,000 cubic meters or more)		200 cubic centimeters

Remarks

The volume amount of nitrogen oxides set forth stated in the fourth column 4 of this Ttable is to be the volume of nitrogen oxides calculated by using the following formula. In this case calculation, if the amount of nitrogen oxides fluctuates significantly in the facilities, this that amount is to be obtained by the average volume of the amounts of nitrogen oxides generated per a single process in those facilities in units where the volume of nitrogen oxides fluctuates significantly.

$$C = ((21 - O_n) / (21 - O_s)) \cdot C_s$$

(In this equation formula, the symbols "C", "O_n", "O_s" and "C_s" represent the following values respectively:

C: the amount Volume of nitrogen oxides (units: cubic centimeters)

O_n: tThe amount values listed stated in the right column of the following table for units the facilities referred to in each of the rows listed stated in the left column of that same table.

Row (iii)3	4
Row (i)1	5
Row (ii)2, row (v)5	6
Row (vii)7	7

Row (vi)6	10
Row (iv)4	11

Os: the cConcentration rate of oxygens included in the emission gases (or 20 percent, in cases wherfe the concentration rate exceeds 20 percent) (units: percent)

Cs: tThe concentration amount of nitrogen oxides include for eachmeasured using the method specified in Japan Industrial Standard K0104, calculated as the concentration per cubic meter of emission gasses calculated as ifwhen measured under the conditions with a temperature of zeroof 0 degrees Celsius and 1a pressure of onestandard atmosphere unit, which is converted from the concentration rate of nitrogen oxides which are measured by using the method specified in Japan Industrial Standard K0104 (units: cubic centimeters)

Appended Table 3 of the Supplementary Provisions

(i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which exclusively burn gas	The eEmission gas volumes ofamount is 40,000 cubic meters or more	130 cubic centimeters
		The eEmission gas volumes ofamount is less than 40,000 cubic meters	150 cubic centimeters
(i i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn coal (limited to those coal with a calorific value of 5,000 kilocalories or less per kilogram; the same applies below in this table) that by useusing the ceiling burner combustion method		650 cubic centimeters
(i i i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn coal and have a furnace separating wall radiant superheater (limited to boilers those with a furnace heat release rate of 140,000 kilocalories per cubic meter per hour or more during maximum continuous evaporation)	The eEmission gas volumes ofamount is 5,000 cubic meters or more	750 cubic centimeters until April 30, 1980 550 cubic centimeters from May 1, 1980

		The eEmission gas volumes of amount is less than 5,000 cubic meters	550 cubic centimeters
(iv)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn coal (limited to those boilers that have with an emission gas volumes amount of 10,000 cubic meters or more, and excluding those boilers listed stated in the preceding two rows)	The eEmission gas volumes of amount is 100,000 cubic meters or more	750 cubic centimeters until April 30, 1980 480 cubic centimeters from May 1, 1980
		The eEmission gas volumes of amount is less than 100,000 cubic meters	750 cubic centimeters until August 9, 1982 480 cubic centimeters from August 10, 1982
(v)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn solid fuel (excluding those listed boilers stated in the three preceding rows)	The eEmission gas volumes of amount is 100,000 cubic meters or more	600 cubic centimeters until April 30, 1980 480 cubic centimeters from May 1, 1980
		The eEmission gas volumes of amount is 10,000 cubic meters or more and less than 100,000 cubic meters	600 cubic centimeters until August 9, 1982 480 cubic centimeters from August 10, 1982
		The eEmission gas volumes of amount is less than 10,000 cubic meters	480 cubic centimeters

(vii)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn crude oil tar (excluding those boilers listed stated from in row (ii)2 through the preceding row) that have and for which sulfur oxide processing units facilities have been installed as of June 18, 1977 (or September 10, 1977 in the case of liquid fuel fired small boilers) emission gas volumes of 40,000 cubic meters or more (excluding those that have sulfur oxide processing units (the sulfur oxide processing facilities mentioned above meansing the units for facilities which are installed to processing sulfur oxides generated at units generating soot and smoke before they are emitted into the atmosphere from an the outlets of facilities generating soot or smoke, and which have the capability to reduce the volume amount of sulfur oxides emitted by from those facilities the unit generating soot and smoke by 80 percent or more, and including those for which installation work was underway as of June 18, 1977 (or September 10, 1977 of the same year in the case of liquid fuel fired small boilers)) attached as of June 18 of the same year (September 10 of the same year in the case of liquid fuel fired small boilers); the same applies below in this table) (the boilers mentioned above are limited to those that have boilers with an emission gas volumes amount of less than 1,000,000 cubic meters, and excluding those that are of overload firing type that have with an emission gas volumes	The eEmission gas volumes of amount is 100,000 cubic meters or more	280 cubic centimeters until April 30, 1980
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(viii)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, which are other than those listed the boilers stated in the preceding rows , and that were installed that have for which sulfur oxide processing units facilities have been installed as of June 18, 1977 (or September 10, 1977 of the same year in the case of liquid fuel fired small boilers) (the sulfur oxide processing facilities mentioned above are limited to those that have with an emission gas volumes amount of less than 1,000,000 cubic meters, and excluding those that are of overload firing type that have with an emission gas volumes amount of less than 5,000 cubic meters)	The eEmission gas volumes of amount is 100,000 cubic meters or more	230 cubic centimeters until April 30, 1980
			210 cubic centimeters from May 1, 1980
		The eEmission gas volumes of amount is 40,000 cubic meters or more and less than 100,000 cubic meters	210 cubic centimeters
		The eEmission gas volumes of amount is 10,000 cubic meters or more and less than 40,000 cubic meters	250 cubic centimeters
		The eEmission gas volumes of amount is less than 10,000 cubic meters	280 cubic centimeters

(ix)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order other than those boilers listed stated in the preceding rows (excluding those that boilers which are of overload firing type that havewith an emission gas volumes amount of less than 5,000 cubic meters)	The eEmission gas volumes ofamount is 500,000 cubic meters or more	230 cubic centimeters until April 30, 1980 180 cubic centimeters from May 1, 1980
		The eEmission gas volumes ofamount is 100,000 cubic meters or more and less than 500,000 cubic meters	230 cubic centimeters until April 30, 1980 190 cubic centimeters from May 1, 1980
		The eEmission gas volumes ofamount is 40,000 cubic meters or more and less than 100,000 cubic meters	190 cubic centimeters
		The eEmission gas volumes ofamount is 10,000 cubic meters or more and less than 40,000 cubic meters	230 cubic centimeters
		The eEmission gas volumes ofamount is less than 10,000 cubic meters	250 cubic centimeters
(x)	Gas generators listed stated in row (ii)2 of Appended Table 1 of the Cabinet Order, that which are used for the manufacture ofing hydrogen (the gas generators mentioned above are limited to those that usinge the ceiling burner combustion method)		360 cubic centimeters
(xi)	Facilities listed stated in row (ii)2 of Appended Table 1 of the Cabinet Order other than those gas generators listed stated in the preceding row		170 cubic centimeters

(x i i)	Roasting furnaces listed stated in row (iii)3 of Appended Table 1 of the Cabinet Order		250 cubic centimeters
(x i i i)	Sintering furnaces that are Ppellet kilns among sintering furnaces statedlisted in row (iii)3 of Appended Table 1 of the Cabinet Order (limited to those pellet kilns that which exclusively burn gas)		540 cubic centimeters
(x i v)	Pellet kilns among sSintering furnaces listed stated in row (iii)3 of Appended Table 1 of the Cabinet Order, that are pellet kilns other than those pellet kilns listed stated in the preceding row		300 cubic centimeters
(x v)	Sintering furnaces statedlisted in row (iii)3 of Appended Table 1 of the Cabinet Order other than those pellet kilns listed stated in the preceding two rows	The eEmission gas volumes ofamount is 100,000 cubic meters or more	260 cubic centimeters
		The eEmission gas volumes ofamount is 10,000 cubic meters or more and less than 100,000 cubic meters	270 cubic centimeters
		The eEmission gas volumes ofamount is less than 10,000 cubic meters	300 cubic centimeters
(x v i)	Calcination furnaces listed stated in row (iii)3 of Appended Table 1 of the Cabinet Order, that which are used for the manufacture ofing alumina		350 cubic centimeters
(x v i i)	Blast furnaces listed stated in row (iv)4 of Appended Table 1 of the Cabinet Order		120 cubic centimeters

(x v i i i)	Melting furnaces listed stated in row (v)5 of Appended Table 1 of the Cabinet Order (excluding cupola furnaces)		200 cubic centimeters
(x i x)	Radiant tube-type heating furnaces among hHeating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order that are radiant tube-type heating furnaces	The eEmission gas volumes ofamount is 40,000 cubic meters or more	220 cubic centimeters until April 30, 1980 200 cubic centimeters from May 1, 1980
		The eEmission gas volumes ofamount is less than 40,000 cubic meters	200 cubic centimeters
(x x)	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order (excluding heating furnaces for forge welding steel pipes and those heating furnaces l stated in the preceding row)	The eEmission gas volumes ofamount is 100,000 cubic meters or more	220 cubic centimeters until April 30, 1980 160 cubic centimeters from May 1, 1980
		The eEmission gas volumes ofamount is 40,000 cubic meters or more and less than 100,000 cubic meters	220 cubic centimeters until April 30, 1980 170 cubic centimeters from May 1, 1980
		The eEmission gas volumes ofamount is 10,000 cubic meters or more and less than 40,000 cubic meters	200 cubic centimeters until August 9, 1982 170 cubic centimeters from August 10, 1982

		The eEmission gas volumes of amount is 5,000 cubic meters or more and less than 10,000 cubic meters	170 cubic centimeters
		The eEmission gas volumes of amount is less than 5,000 cubic meters	200 cubic centimeters
(x x i)	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order that are installed that have for which sulfur oxide processing facilities have been as of June 18, 1977 (the heating furnaces are limited to those that have with an emission gas volumes amount of 5,000 cubic meters or more and less than 10,000 cubic meters)		190 cubic centimeters
(x x i i)	Cracking furnaces for manufacturing ethylene among hHeating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order that are cracking furnaces for the manufacture of ethylene (limited to cracking furnaces those with a hearth-type burner and with an emission gas volumes amount of 10,000 cubic meters or more and less than 40,000 cubic meters)		280 cubic centimeters

(xixii)	Cracking furnaces for manufacturing ethylene among heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order that are cracking furnaces for the manufacture of ethylene (limited to cracking furnaces with an those that have emission gas volumes amount of 5,000 cubic meters or more, and excluding the heating furnacethose listed stated in the preceding two rows)	The eEmission gas volumes ofamount is 40,000 cubic meters or more	170 cubic centimeters
		The eEmission gas volumes ofamount is less than 40,000 cubic meters	180 cubic centimeters
(xxiv)	Independent overheating furnaces for manufacturing ethylene and reforming furnaces for manufacturing methanol, among heating furnaces statedlisted in row (vii)7 of Appended Table 1 of the Cabinet Order that are independent overheating furnaces for the manufacture of ethylene and reforming furnaces for the manufacture of methanol (limited to those independent overheating furnaces or reforming furnaces, that which have air preheaters with an emission gas volumes amount of 40,000 cubic meters or more and less than 100,000 cubic meters)		430 cubic centimeters

(xxv)	Independent overheating furnaces for manufacturing ethylene among heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order that are independent overheating furnaces for the manufacture of ethylene (limited to those independent overheating that have furnaces with an emission gas volumes amount of 5,000 cubic meters or more, and excluding those heating furnaces listed stated in row (xxi)21 and the preceding row)	The eEmission gas volumes of amount is 100,000 cubic meters or more	170 cubic centimeters
		The eEmission gas volumes of amount is less than 100,000 cubic meters	180 cubic centimeters
(xxvi)	Reforming furnaces for manufacturing ammonia, among heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order that are reforming furnaces for the manufacture of ammonia (limited to those reforming furnaces that have with an emission gas volumes amount of 5,000 cubic meters or more, and excluding those heating furnaces listed stated in row (xxi)21)	The eEmission gas volumes of amount is 40,000 cubic meters or more	170 cubic centimeters
		The eEmission gas volumes of amount is less than 40,000 cubic meters	180 cubic centimeters
(xxvii)	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order other than those heating furnaces listed stated in row 21 to through the preceding row	The eEmission gas volumes of amount is 40,000 cubic meters or more	210 cubic centimeters until April 30, 1980

			170 cubic centimeters from May 1, 1980
		The eEmission gas volumes of amount is 5,000 cubic meters or more and less than 40,000 cubic meters	180 cubic centimeters
		The eEmission gas volumes of amount is less than 5,000 cubic meters	200 cubic centimeters
(x x v i i i)	Catalytic regeneration towers listed stated in row (viii)8 of Appended Table 1 of the Cabinet Order		300 cubic centimeters
(x x i x)	Combustion furnaces listed stated in row (ii)2 of Appended Table 1-8 of the Cabinet Order		300 cubic centimeters
(x x x x)	Coal-fired sintering furnaces listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order (limited to those that are gas-fired rotary kilns)		300 cubic centimeters
(x x x x i)	Kilns listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order, that which are used for the manufacture of cement (excluding those kilns of wet type)		480 cubic centimeters
(x x x x i i)	Kilns listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order, that which are used for the manufacture of fire- resistant bricks or fire- resistant materials		450 cubic centimeters

(x x x i i i i)	Melting furnaces listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order, that which are used for the manufacture ofing plate glass or glass fiber products (including glass fiber)		400 cubic centimeters
(x x x x - i i i)	Melting furnaces listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order, that which are used for the manufacture ofing optical glass, electric glass or frit (limited to melting furnacesthose that which burn exclusively by using oxygen)		800 cubic centimeters
(x x x x i v)	Melting furnaces listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order, that which are used for the manufacture ofing optical glass, electric glass or frit, and are other than those melting furnaces listed stated in the preceding row		900 cubic centimeters
(x x x x v)	Melting furnaces listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order (limited to those melting furnaces that are used for the manufacture ofing glass) other than those melting furnaces listed stated in the preceding three rows		500 cubic centimeters

(x x x x v i)	Units listed Facilities stated in row (ix)9 of Appended Table 1 of the Cabinet Order other than those facilities listed stated in row (xxx)30 to the preceding row (those that are kilns used for the manufacture of cement, excluding kilnsthose of wet type, which are used for manufacturing cement)		200 cubic centimeters
(x x x x v i i)	Reacting furnaces listed stated in row 10 (x) of Appended Table 1 of the Cabinet Order, that which are used for the manufacture ofing potassium sulfate		250 cubic centimeters
(x x x x v i i i)	Reacting furnaces statedlisted in row (x)10 of Appended Table 1 of the Cabinet Order, that which are used for the manufacture ofing sulfuric acid (limited to reacting furnacesthose using nitrogen oxide as a catalyst)		700 cubic centimeters
(x x x x i x)	Facilities listed stated in row (x)10 of Appended Table 1 of the Cabinet Order, other than those the reacting furnaces listed stated in the two preceding rows		200 cubic centimeters
(x l)	Drying furnaces listed stated in row (xi)11 of Appended Table 1 of the Cabinet Order		250 cubic centimeters

(x l i))	Waste incinerators listed stated in row (xiii)13 of Appended Table 1 of the Cabinet Order, that which burn materials by using the floating rotary combustion method (limited to continuous furnaces), and or those thatwhich burn waste emitted from when the process of manufacturing or using nitrides, amides or derivatives of these chemicals, or when processing of wastewater by using ammonia (limited to those waste incinerators that have with an emission gas volumes amount of less than 40,000 cubic meters)		900 cubic centimeters
(x l i i))	(連続炉に限る。) Waste incinerators listed stated in row (xiii)13 of Appended Table 1 of the Cabinet Order, other than those waste incinerators listed stated in the preceding row (limited to continuous furnaces)		300 cubic centimeters
(x l i i i))	Roasting furnaces listed stated in row (xiv)14 of Appended Table 1 of the Cabinet Order		250 cubic centimeters
(x l i v))	Sintering furnaces listed stated in row (xiv)14 of Appended Table 1 of the Cabinet Order		300 cubic centimeters
(x l v))	Vertical distillation furnaces used for smelting zinc, among bBlast furnaces listed stated in row (xiv)14 of Appended Table 1 of the Cabinet Order that are vertical distillation furnaces used for smelting zinc		230 cubic centimeters

(x l v i i)	Blast furnaces listed stated in row (xiv)14 of Appended Table 1 of the Cabinet Order, thatwhich are also stated those listed in the preceding row and or those that arefall under the category of scorification furnaces used for smelting zinc, other than those using coal or coke as fuel and a reducing agent		120 cubic centimeters
(x l v i i)	Melting furnaces listed stated in row (xiv)14 of Appended Table 1 of the Cabinet Order, which fall under the category of refining furnaces that are those used for smelting zinc using ammonia as fuel a reducing agent and or those that arefall under the category of zinc and cadmium rectification furnaces used for refining zinc, other than those that burning liquid petroleum gas or coke furnace gas		200 cubic centimeters
(x l v i i i)	Drying furnaces listed stated in row (xiv)14 of Appended Table 1 of the Cabinet Order		200 cubic centimeters
(x l i x)	Reacting furnaces statedlisted in row (xviii)18 of Appended Table 1 of the Cabinet Order		200 cubic centimeters
(l)	Kilns listed stated in row (xxi)21 of Appended Table 1 of the Cabinet Order		200 cubic centimeters
(l i)	Melting furnaces listed stated in row 21 (xxi) of Appended Table 1 of the Cabinet Order		650 cubic centimeters

(l i i)	Drying furnaces listed stated in row (xxiii) 23 of Appended Table 1 of the Cabinet Order		200 cubic centimeters
(l i i i)	Kilns listed stated in row (xxiii)23 of Appended Table 1 of the Cabinet Order		200 cubic centimeters
(l i v)	Melting furnaces listed stated in row (xxiv)24 of Appended Table 1 of the Cabinet Order		200 cubic centimeters
(l v)	Melting furnaces listed stated in row (xxv)25 of Appended Table 1 of the Cabinet Order		200 cubic centimeters
(l v i)	Melting furnaces listed stated in row (xxvi)26 of Appended Table 1 of the Cabinet Order		200 cubic centimeters
(l v i i)	Reverberating furnaces listed stated in row (xxvi)26 of Appended Table 1 of the Cabinet Order		650 cubic centimeters
(l v i i)	Reacting furnaces listed stated in row (xxvi)26 of Appended Table 1 of the Cabinet Order		200 cubic centimeters
(l i x)	Coke ovens listed stated in row (xxviii)28 of Appended Table 1 of the Cabinet Order (excluding coke ovensthose of Otto type)		350 cubic centimeters

Remarks

The amount/volume of nitrogen oxides set forth/stated in the fourth column 4 of this Table is the volume of nitrogen oxides to be calculated by using the following formula (and in the case of units the facilities listed stated in row (xxxiii)33-2, the melting furnaces listed stated in row (lvi)56 that which are used for the manufacture of/ing lead oxide, and the reacting furnaces listed stated in row (lviii)58 that which are used for the manufacture of/ing lead oxide or lead nitrate, the following formula is to be replaced with: $C = (C_s)$). In this calculation case, if the amount of nitrogen oxides fluctuates significantly in the facilities, that amount is to be obtained is/by is the average of the amounts of nitrogen oxides generated per/volume of a single process in those facilities in units where the volume of nitrogen oxides fluctuates significantly.

$$C = ((21 - O_n) / (21 - O_s)) \cdot C_s$$

(In this formula/equation, the symbols "C", "O_n", "O_s" and "C_s" represent the following values:

C: Volume the amount of nitrogen oxides (units: cubic centimeters)

O_n: tThe values listed/amounts stated in the right column of the following table for the facilities referred to in each of the rows listed stated in the left column of the same/at table.

Row (vi)6, row (vii)7, row (viii)8, row (ix)9	4
Row (i)1	5
Row (ii)2, row (iii)3, row (iv)4, row (v)5, row (xx1)21, row (xxii)22, row (xxiii)23, row (xxiv) 24, row (xxv)25, row (xxvi)26, row (xxvii)27, row (xxviii)28, row (xxxvii)37, row (xxxix)39, row (xlix)49, row (lviii)58	6
Row (x)10, row (xi)11, row (lix)59	7
Row (xxix)29	8
Row (xvi)16, row (xxxi)31	10
Row (xix)19, row (xx)20	11
Row (xviii)18, row 41(xli), row (xlii)42, row 47(xlvii), row 54(liv), row (lv)55, row (lvi)56	12
Row (xii)12, row (xliii)43	14
Row (xiii)13, row (xiv)14, row (xv)15, row (xvii)17, row (xxx)30, row (xxxiii)33, row (xxxv)35, row (xxxvi)36, row (xxxviii)38, row (xliv)44, row (xlv)45, row (xlvi)46, row (l)50, row (li)51, row (liii)53, row (lvii)57	15
Row (xxxiv)34, row (xl)40, row (xlviii)48, row (lii)52	16

Row (xxxii)32	18
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Os: the cConcentration rate of oxygens included in the emission gasses (or 20 percent, in cases wheref the concentration rate exceeds 20 percent) (units: percent)

Cs: tThe concentration amount of nitrogen oxides measured using the method specified in Japan Industrial Standard K0104, calculated as the concentration perincluded for each cubic meter of emission gasses calculated as iwhenf measured under the conditions with a temperature of 0zero degrees Celsius and a pressure of one1 standard atmosphere unit, which is converted from the concentration rate of nitrogen oxides which are measured by using the method specified in Japan Industrial Standard K0104 (units: cubic centimeters)

Supplementary Provisions [Order of the Prime Minister's Office No.40 of June 25, 1981]

This Order comes into effect on the date of promulgation.

Supplementary Provisions [Order of the Prime Minister's Office No.46 of September 30, 1981]

This Order comes into effect on the date of promulgation.

Supplementary Provisions [Order of the Prime Minister's Office No.24 of May 28, 1982]

- (1) This Order of the Prime Minister's Office comes into effect on June 1, 1982.
- (2) The provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, do not apply to a facility which has been installed as of the effective date of this Order of the Prime Minister's Office (including a facility for which installation work is underway), and prior laws and regulations continue to govern that facility, until June 30, 1984.
- (3) To apply the provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, to the facilities stated in the second column of the Appended Table of the Supplementary Provisions which have been installed as of effective date of this Order of the Prime Minister's Office (including one for which installation work is underway at that time, and excluding one for which installation work started in the areas stated in Appended Table 5 during the period from June 24, 1971, to the day preceding to the effective date of this Order of the Prime Minister's Office), the amount stated in the fourth column of that table regarding dust is replaced with the amount stated in the fourth column of the Appended Table of the Supplementary Provisions regarding dust for each type and scale of the

facilities stated in the third column of that table, from July 1, 1984, until otherwise provided for by law; provided, however, that from July 1, 1984, until June 30, 1985, the amount referred to in the fourth column of that table regarding dust from the facilities stated in the following items is replaced with the amount specified in those items:

(i) the boilers stated in the second column of Appended Table 1 of the Supplementary Provisions (limited to one which uses low sulfur coal as the main fuel, with an emission gas amount of 200,000 cubic meters or more (that emission gas amount means the maximum amount of emission gases per hour when measured under the conditions with 0 degrees Celsius and 1 standard atmosphere unit; the same applies in this table): 0.25 grams; and

(ii) the calcination furnaces stated in the second column of row (vi) of Appended Table of the Supplementary Provisions which are used for the manufacture of petroleum coke (limited to one with an emission gas amount of 40,000 cubic meters or more): 0.27 grams.

(4) Notwithstanding the provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, from July 3, 1995, until otherwise provided for by law, if the emission standard for dust as prescribed in Article 3, paragraph (1) of the Air Pollution Control Act (Act No. 97 of 1968; referred to as "the Act" below) applies to the boilers burning coal as stated in row (i) of Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; referred to as "Cabinet Order" below) which have been installed as of the effective date of this Order of the Prime Minister's Office (limited to one which has been burning only coal with a calorific value of 20,930.25 kilojoules or less per kilogram during the period from the effective date of this Order until July 2, 1995, or which will burn only coal with a calorific value of 23,023.275 kilojoules or less per kilogram from July 3, 1995), that emission standard for dust is replaced with 0.45 grams of dust per cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit. In that case, the amount of that dust is to be calculated by using the following formula, and does not include dust emitted when fuel is ignited, the fire layer is maintained for removing ash, or soot is cleaned (limited to dust emitted during a period not exceeding a total of six minutes per hour), and if the amount of dust fluctuates significantly in the facility, that amount is to be obtained by the average of the amounts of dust emitted in a single process:

$$C=(15/(21-O_s))\cdot C_s$$

(In this formula, the symbols "C", "Os", and "Cs" represent the following values:

C: the amount of dust (units: grams)

Os: the concentration rate of oxygen in the emission gases (this is set at 20

percent if the concentration rate exceeds 20 percent) (units: percentage)

Cs: the amount of dust when measured using the method specified by Japan Industrial Standard Z8808 (units: grams))

(5) Notwithstanding the provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, if the emission standard for dust as prescribed by Article 3, paragraph (1) of the Act applies to any facility stated in the following items for which installation work started in an area stated in Appended Table 5 during the period from June 24, 1971, to the day preceding to the effective date of this Order of the Prime Minister's Office, that emission standard for dust is replaced with the amount stated in column 5 of Appended Table 2 before the amendment by this Order of the Prime Minister's Office regarding dust included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the second column of that table and each scale of the facilities stated in the third column of that table, from July 1, 1984:

- (i) the boilers stated in the second column of row (iii) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one with an emission gas amount of less than 200,000 cubic meters);
- (ii) the calcination furnaces stated in the second column of row (xii) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one with an emission gas amount of less than 40,000 cubic meters);
- (iii) the blast furnaces stated in the second column of row (xiv) or row (xl) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one with an emission gas amount of 40,000 cubic meters or more);
- (iv) the aggregate drying kilns stated in the second column of row (xxxi) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to direct hot-air drying kilns);
- (v) the drying furnaces stated in the second column of row (xxxii) or row (xliii) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to direct hot-air drying kilns with an emission gas amount of 40,000 cubic meters or more);
- (vi) the converter furnaces stated in the second column of row (xli) of Appended Table 2, as amended by this Order of the Prime Minister's Office (excluding one of combustion type);
- (vii) the facilities stated below which use electricity as a heat source:
 - (a) the facilities stated in the second column of row (xxx) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one with an emission gas amount of 40,000 cubic meters or more); or
 - (b) the drying furnaces stated in the second column of row (xxxii) of

Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one with an emission gas amount of 40,000 cubic meters or more).

- (6) Notwithstanding the provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, if the emission standard for dust under Article 3, paragraph (1) of the Act applies to the following facilities for which installation work started in the areas stated in Appended Table 5 during the period from June 24, 1971, to the day preceding to the effective date of this Order of the Prime Minister's Office (excluding one prescribed in the two preceding paragraphs), the emission standard for dust is replaced with the strictest of the following permissible limits, from July 1, 1984: the permissible limit established by the emission standard for dust, as prescribed by Article 3, paragraph (3) of the Act before the amendment by this Order of the Prime Minister's Office, which is applicable to that facility; or the permissible limit established by the emission standard for dust, as prescribed by Article 3, paragraph (1) of the Act amended by this Order of the Prime Minister's Office, which is applicable to that facility; provided, however, that, the emission standard for dust as prescribed by Article 3, paragraph (1) of the Act which is applicable to facilities prescribed in paragraph (8) or (10) of the Supplementary Provisions is replaced with the amount stated in the fifth column of Appended Table 2 before the amendment by this Order of the Prime Minister's Office regarding dust included for each cubic meter of emission gases when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit, for each type of the facilities stated in the second column of that table and for each scale of the facilities stated in the third column of that table, during the period prescribed in paragraph (8) or (10) of the Supplementary Provisions:
- (i) the boilers stated in the second column of row (i) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one with an emission gas amount of 40,000 cubic meters or more);
 - (ii) the boilers stated in the second column of row (ii), row (v) and row (vi) of Appended Table 2, as amended by this Order of the Prime Minister's Office;
 - (iii) the boilers stated in the second column of row (iv) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one with an emission gas amount of less than 200,000 cubic meters);
 - (iv) a heating furnace stated in the second column of row (viii), row (xviii) or row (xix) of Appended Table 2, as amended by this Order of the Prime Minister's Office;
 - (v) the combustion furnaces stated in the second column of row (xxi) of Appended Table 2, as amended by this Order of the Prime Minister's Office;
 - (vi) the kilns stated in the second column of row (xxii) through (xxvi) of Appended Table 2, as amended by this Order of the Prime Minister's Office

- (limited to one with an emission gas amount of 40,000 cubic meters or more if it is used for the manufacture of cement);
- (vii) the melting furnaces stated in the second column of row (xxvii) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one with an emission gas amount of 40,000 cubic meters or more);
- (viii) the melting furnaces stated in the second column of row (xxviii) or (xxix) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one other than a crucible furnace; and excluding one with an emission gas amount of less than 40,000 cubic meters if it is used in the manufacture of optical glass, electric glass, or frit);
- (ix) the facilities stated in the second column of row (xxx) of Appended Table 2, as amended by this Order of the Prime Minister's Office;
- (x) the aggregate drying kilns stated in the second column of row (xxxi) of Appended Table 2, as amended by this Order of the Prime Minister's Office;
- (xi) the drying furnaces stated in the second column of row (xxxii) or (xliii) of Appended Table 2, as amended by this Order of the Prime Minister's Office;
- (xii) the continuous furnaces stated in the second column of row (xxxvi) of Appended Table 2 before the amendment by Article 1 of the Order of the Prime Minister's Office Partially Amending the Regulations for Enforcement of the Air Pollution Control Act, etc. (Order of the Prime Minister's Office No.27 of 1998);
- (xiii) the waste incinerators stated in the second column of row (xxxvii) of Appended Table 2 before the amendment by Article 1 of the Order of the Prime Minister's Office Partially Amending the Regulations for Enforcement of the Air Pollution Control Act, etc. (Order of the Prime Minister's Office No.27 of 1998); and
- (xiv) the drying furnaces stated in the second column of row (xlvi) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one with an emission gas amount of 40,000 cubic meters or more).
- (7) To apply the provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, to the reactor furnaces stated in row (x) of Appended Table 1 of the Cabinet Order which are used for the manufacture of activated carbon (limited to one with an emission gas amount of less than 10,000 cubic meters), the amount stated in the fifth column of row (xxx) of that table regarding dust is replaced with 0.15 grams, until otherwise provided for by law.
- (8) To apply the provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, to the facilities stated in the following items, the value "On" used in the formula in Remark 1 of that table is to be the same as the value "Os" until otherwise provided for by law (or from July 1, 1984 until otherwise provided for by law, for a facility which has been installed

as of the effective date of this Order of the Prime Minister's Office (including a facility for which installation work is underway at that time)):

- (i) the boilers stated in the second column of row (ii) of Appended Table 2, as amended by this Order of the Prime Minister's Office (limited to one with an emission gas amount of less than 10,000 cubic meters);
 - (ii) the boilers stated in the second column of row (vi) of Appended Table 2, as amended by this Order of the Prime Minister's Office;
 - (iii) the heating furnaces stated in the second column of row (xviii) of Appended Table 2, as amended by this Order of the Prime Minister's Office;
 - (iv) the kilns stated in the second column of row (xxvi) of Appended Table 2, as amended by this Order of the Prime Minister's Office; and
 - (v) the facilities stated in the second column of row (xxx) of Appended Table 2, as amended by this Order of the Prime Minister's Office.
- (9) To apply the provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, to the boilers stated in the second column of row (ii) of that table (limited to one with an emission gas amount of 10,000 cubic meters or more and less than 40,000 cubic meters, and excluding one stated in the following paragraph), the value "On" used in the formula in Remark 1 of that table is the same as the value "Os" until June 30, 1985.
- (10) To apply the provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, to the boilers stated in the second column of row (ii) of that table (limited to one installed as of the effective date of this Order of the Prime Minister's Office (including a facility for which installation work is underway at that time), with an emission gas amount of 10,000 cubic meters or more and less than 200,000 cubic meters), the value "On" used in the formula in Remark 1 attached to that table is the same as the value "Os" from July 1, 1984, until June 30, 1985.
- (11) Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Order of the Prime Minister's Office comes into effect.

Appended Table of the Supplementary Provisions

(i)	Boilers listed in row (i)1 of Appended Table 1 of the Cabinet Order, that which exclusively burn heavy oils and or other liquid fuel (excluding black liquid generated in association with the manufacture of paper pulp; the same applies below), and or those that burn a mixture of gas and liquid fuel (the boilers mentioned above are limited to those that have with an emission gas volumes amount of 40,000 cubic meters or more, and excluding those listed in row (iv)4)	The emission gas volumes amount is of 200,000 cubic meters or more	0.07 grams
		The emission gas volumes amount is less than 200,000 cubic meters	0.18 grams
(ii)	Boilers listed in row (i)1 of Appended Table 1 of the Cabinet Order, which that exclusively burn black liquid generated in association with the manufacture of paper pulp, and those that or burn a mixture of gas or liquid fuel and black liquid generated in association with the manufacture of paper pulp and gas or liquid fuel (the boilers mentioned above excluding those boilers listed in the row (iv)4)	The emission gas volumes amount is 200,000 cubic meters or more	0.20 grams
		The emission gas volumes amount is less than 200,000 cubic meters	0.35 grams

(i)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn coal (limited to those coal with a calorific value of 20,930.25 kilojoules or less per kilogram) (the boilers mentioned above excludeing those boilers listed stated in the following row)	The eEmission gas volumes of amount is 200,000 cubic meters or more	0.15 grams
		The eEmission gas volumes of amount is 40,000 cubic meters or more and less than 200,000 cubic meters	0.25 grams
		The eEmission gas volumes of amount is less than 40,000 cubic meters	0.35 grams
(v)	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, that which are included in catalytic regeneration towers listed stated in the middle column of row (viii) 8 of the same at table		0.30 grams
(v)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order other than those that are listed stated in the preceding rows (the boilers mentioned above are limited to those that have with an emission gas volumes amount of less than 40,000 cubic meters, and excluding exclude those boilers that which exclusively burn gass, exclusively burn liquid fuel, those that burn a mixture of gas and liquid fuel, and those that or burn coal (limited to those coal with a calorific value of 20,930.25 kilojoules or less per kilogram)		0.40 grams

(vii)	Calcination furnaces listed stated in row (iii)3 of Appended Table 1 of the Cabinet Order	The eEmission gas volumes of amount is 40,000 cubic meters or more	0.25 grams
		The eEmission gas volumes of amount is less than 40,000 cubic meters	0.30 grams
(viii)	Converter furnaces listed stated in row (iv)4 of Appended Table 1 of the Cabinet Order (limited to those converter furnaces of combustion type)		0.13 grams
(ix)	Blast furnaces listed in row 5 of Appended Table 1 of the Cabinet Order that are Reverberating furnaces for the manufacturing of aluminum metal or alloy or recycling of aluminum, among blast furnaces stated in row (v) of Appended Table 1 of the Cabinet Order (limited to those reverberating furnaces with an emission gas volumes amount of less than 40,000 cubic meters)		0.30 grams
(x)	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Cabinet Order	The eEmission gas volumes of amount is 40,000 cubic meters or more	0.15 grams
		The eEmission gas volumes of amount is less than 40,000 cubic meters	0.25 grams
(xi)	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Cabinet Order, which are used for the manufacture of lubrication oil (limited to those the heating furnaces at have with an emission gas volumes amount of less than 10,000 cubic meters)		0.18 grams
(xii)	Catalytic regeneration towers listed stated in row (viii)8 of Appended Table 1 of the Cabinet Order		0.30 grams

(x i i i)	Blast furnaces listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order, which are used for the manufacture of optical glass, electric glass or frit (limited to those blast furnaces that have with an emission gas volumes amount of less than 40,000 cubic meters)		0.30 grams
(x i i i i)	Reacting furnaces listed stated in row (x)10 of Appended Table 1 of the Cabinet Order, which are used for the manufacture of activated carbon (limited to those reacting furnaces that have with an emission gas volumes amount of less than 10,000 cubic meters)		0.30 grams
(x i i v)	Aggregate drying kilns, among drying furnaces listed stated in row (xi)11 of Appended Table 1 of the Cabinet Order that are aggregate drying kilns (the aggregate drying kilns are limited to those that have with an emission gas volumes amount of less than 20,000 cubic meters)		0.60 grams
(x v)	Drying furnaces listed stated in row (xi)11 of Appended Table 1 of the Cabinet Order other than aggregate drying kilns (limited to those drying furnaces that have with an emission gas volumes amount of less than 40,000 cubic meters)	The emission gas volume of amount is 10,000 cubic meters or more	0.30 grams
		The emission gas volumes of amount is less than 10,000 cubic meters	0.35 grams

(x v i)	Blast furnaces listed stated in row (xiv)14 of Appended Table 1 of the Cabinet Order (limited to those that have with an emission gas volumes amount of less than 10,000 cubic meters)		0.30 grams
(x v i i)	Drying furnaces listed stated in row (xiv) 14 of Appended Table 1 of the Cabinet Order (limited to those that are of air blown type in the case of those that have emission gas volumes of amount of the drying furnaces is 40,000 cubic meters or more)	The eEmission gas volumes of amount is 40,000 cubic meters or more	0.18 grams
		The eEmission gas volumes of amount is less than 40,000 cubic meters	0.30 grams

Supplementary Provisions [Order of the Prime Minister's Office No.32 of July 3, 1982]

This Order of the Prime Minister's Office comes into effect on the date of promulgation; provided, however, that the provisions amending Article 13, paragraph (1) come into effect on January 1, 1983.

Supplementary Provisions [Order of the Prime Minister's Office No.25 of September 7, 1983]

- (1) This Order of the Prime Minister's Office comes into effect on September 10, 1983.
- (2) The provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, do not apply to the facilities stated in one of the following items which have been installed as of the effective date of this Order of the Prime Minister's Office (including a facility for which installation work is underway at that time, and excluding one provided for in paragraph (4)) until the date stated in that item, and prior laws and regulations continue to govern that facility:
 - (i) the facilities stated in row (v) of Appended Table 2 of the Supplementary Provisions (limited to one with an emission gas amount of less than 5,000 cubic meters (that emission gas amount means the maximum amount of emission gases per hour when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit; the same applies below): August 9,

- 1984;
- (ii) the facilities stated in row (iii) of Appended Table 2 of the Supplementary Provisions or the facilities stated in row (v) of that table with an emission gas amount of 5,000 cubic meters or more and less than 200,000 cubic meters: September 9, 1985; and
 - (iii) the boilers stated in row (i) of Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; referred to as "Cabinet Order" below) (excluding the boilers stated in the following item): September 9, 1984.
- (3) To apply the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to the boilers stated in row (i) of Appended Table 1 of the Cabinet Order which burns solid fuel (limited to one with an emission gas amount of 5,000 cubic meters or more) for which installation work started during the period from August 10, 1973, to December 9, 1975, the amount of nitrogen oxides stated in the fourth column of that table is replaced with the following values from September 10, 1984, until otherwise provided for by law: 300 cubic centimeters if that boiler's emission gas amount is 500,000 cubic meters or more; 350 cubic centimeters if that boiler's emission gas amount is 40,000 cubic meters or more and less than 500,000 cubic meters; or 380 centimeters if that boiler's emission gas amount is less than 40,000 cubic meters.
- (4) Notwithstanding the provisions of the preceding paragraph, if the boiler stated in row (i) of Appended Table 1 of the Cabinet Order for which installation work started during the period from August 10, 1973, to December 9, 1975 are of the recycled heat extraction-condensing natural circulation type (limited to one with an emission gas amount of 500,000 cubic meters or more, and less than 700,000 cubic meters, and with a furnace heat release rate of 837,210 kilojoules or more per cubic meters per hour during maximum continuous evaporation), and if that boiler is to be converted into one which burns solid fuel (limited to one with an emission gas amount of 500,000 cubic meters or more, and less than 700,000 cubic meters, and with a furnace heat release rate of 837,210 kilojoules or more per cubic meters per hour during maximum continuous evaporation) during the period from the effective date of this Order of the Prime Minister's Office to December 31, 1984 (or if work for this conversion starts during that period), the amount of nitrogen oxides stated in the fourth column of that table is replaced with 420 cubic centimeters concerning the application to that boiler of the provisions of Table 3-2 as amended by this Order of the Prime Minister's Office, from the date of completion of the work for the conversion, until otherwise provided for by law.
- (5) To apply the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to the boilers stated in row (i) of

Appended Table 1 of the Cabinet Order which burn solid fuel (limited to one with an emission gas amount of 5,000 cubic meters or more) and for which installation work started during the period from December 10, 1975, to June 17, 1977, the amount of nitrogen oxides stated in the fourth column of that table is replaced with the following values from September 10, 1984, until otherwise provided for by law: 300 cubic centimeters if the emission gas amount is 40,000 cubic meters or more; or 350 centimeters if the emission gas amount is less than 40,000 cubic meters.

- (6) To apply the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to the boilers stated in row (i) of Appended Table 1 of the Cabinet Order for which installation work started during the period from June 18, 1977, to August 9, 1979, and which burn solid fuel, the amount of nitrogen oxides stated in the fourth column of that table is replaced with the following values from September 10, 1984, until otherwise provided for by law: 300 cubic centimeters if the emission gas amount is 40,000 cubic meters or more; 350 cubic centimeters if the emission gas amount is 5,000 cubic meters or more and less than 40,000 cubic meters; or 380 centimeters if the emission gas amount is less than 5,000 cubic meters.
- (7) To apply the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to the facilities stated in the second column of Appended Table 1 of the Supplementary Provisions for which installation work started during the period from August 10, 1979, to the date preceding to the effective date of this Order of the Prime Minister's Office, the amount of nitrogen oxides stated in the fourth column of that table is replaced with the amount of nitrogen oxides stated in the fourth column of Appended Table 1 of the Supplementary Provisions for each type and scale of the facilities stated in the third column of Appended Table 1 of the Supplementary Provisions, from September 10, 1984, until otherwise provided for by law.
- (8) To apply the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to the facilities stated in the second column of Appended Table 2 of the Supplementary Provisions which has been installed as of the effective date of this Order of the Prime Minister's Office other than one stated in the following items, the amount of nitrogen oxides stated in the fourth column of that table is replaced with the amount of nitrogen oxides stated in the fourth column of Appended Table 2 of the Supplementary Provisions for each type and scale of the facilities stated in the third column of that table, from September 10, 1984, until otherwise provided for by law (or from August 10, 1984, until otherwise provided for by law, for the facilities stated in paragraph (2), item (i); or from September 10, 1985, until otherwise provided for by law, for the facilities stated in paragraph (2), item (ii); or from the effective date of this Order of the Prime Minister's Office, until

otherwise provided for by law, for the facilities stated in row (vi) or (vii) of Appended Table 2 of the Supplementary Provisions):

(i) the facilities prescribed in paragraphs (3) through (7);

(ii) the following facilities which are referred to in Appended Table 1 of the Cabinet Order and for which installation work started during the period from August 10, 1979, until the date preceding to the effective date of this Order of the Prime Minister's Office:

(a) the zinc and cadmium rectification furnaces used for refining zinc (limited to one which burns liquid petroleum gas or coke furnace gas), among the melting furnaces stated in row (xiv) of Appended Table 1 of the Cabinet Order; and

(b) the reverberating furnaces stated in row (xxvi) of Appended Table 1 of the Cabinet Order.

(9) To apply the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to the boilers stated in row (i) of Appended Table 1 of the Cabinet Order which burn coal and are of the scattered stoker type (limited to one with an emission gas amount of 40,000 cubic meters or more and less than 100,000 cubic meters), the amount of nitrogen oxides stated in the fourth column of that table is replaced with 320 cubic centimeters, until otherwise provided for by law.

(10) To apply the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to the boilers stated in row (i) of Appended Table 1 of the Cabinet Order which burn solid fuel (limited to one with an emission gas amount of 40,000 cubic meters or more, and excluding one as provided in the preceding paragraph) for which installation work starts during the period from the effective date of this Order of the Prime Minister's Office until March 31, 1987, the amount of nitrogen oxides stated in the fourth column of that table is replaced with 300 cubic centimeters.

(11) To apply the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to the boilers stated in row (i) of Appended Table 1 of the Cabinet Order which burn solid fuel and are of fluid layer combustion type (limited to one with an emission gas amount of less than 40,000 cubic meters) for which installation work starts during the period after the effective date of this Order of the Prime Minister's Office until September 9, 1984, the amount of nitrogen oxides stated in the fourth column of that table is replaced with 360 cubic centimeters, until otherwise provided for by law.

(12) To apply the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to the boilers stated in row (i) of Appended Table 1 of the Cabinet Order which burn solid fuel (limited to one with an emission gas amount of less than 40,000 cubic meters, and excluding those prescribed in the preceding paragraph) for which installation work starts

after the effective date of this Order of the Prime Minister's Office, the amount of nitrogen oxides stated in the fourth column of that table is replaced with 350 cubic centimeters, until otherwise provided for by law.

- (13) Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Order of the Prime Minister's Office comes into effect.

Appended Table 1 of the Supplementary Provisions

(i))	Boilers stated listed in row (i)1 of Appended Table 1 of the Cabinet Order, that which exclusively burn coal and are of by using the fluid layer combustion type method (limited to those that boilers have with an emission gas volumes amount of 5,000 cubic meters or more and less than 40,000 cubic meters, and which exclusively burn coal as of the effective date of this Order of the Prime Minister's Office)	The eEmission gas volumes amount is of 10,000 cubic meters or more	380 cubic centimeters
		The eEmission gas volumes of amount is less than 10,000 cubic meters	390 cubic centimeters
(i) i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn solid fuel (excluding those boilers listed stated in the preceding row)	The eEmission gas volumes of amount is 40,000 cubic meters or more	300 cubic centimeters
		The eEmission gas volumes of amount is 5,000 cubic meters or more and less than 40,000 cubic meters	350 cubic centimeters
		The eEmission gas volumes of amount is less than 5,000 cubic meters	380 cubic centimeters

Appended Table 2 of the Supplementary Provisions

(i)	Boilers statedlisted in row (i)1 of Appended Table 1 of the Cabinet Order, that which exclusively burn low-grade coal (meaning coal with a calorific value of 20,930.25 kilojoules or less per kilogram; the same applies hereinafterbelow) and have a furnace separating wall radiant superheater (the boilers mentioned above are limited to those which exclusively burn low-grade coal as of the effective date of this Order of the Prime Minister's Office, that havewith an emission gas volumes amount of 500,000 cubic meters or more, and a furnace heat release rate of 586,047 kilojoules or more per cubic meter per hour during maximum continuous evaporation, and exclusively burn low-grade coal as of the effective date of this Order of the Prime Minister's Office)		550 cubic centimeters
(i i)	Boilers statedlisted in row (i)1 of Appended Table 1 of the Cabinet Order, that which exclusively burn low-grade coal (the boilers mentioned above are limited to those that haveboilers which exclusively burn low-grade coal as of the effective date of this Order of the Prime Minister's Office with an emission gas volumes amount of 300,000 cubic meters or more and, and exclusively burn low-grade coal as of the effective date of this Order of the Prime Minister's Office, other than those boilers listed stated in the preceding row)		480 cubic centimeters

(i i i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which exclusively burn coal and are of natural circulation type and exclusively burn coal by using the front-fired method using the front-fired method (the boilers mentioned above are limited to those which exclusively burn coal as of the effective date of this Order of the Prime Minister's Office, that have with an emission gas volume amount of 20,000 cubic meters or more and less than 250,000 cubic meters, and a furnace heat release rate of 586,047 kilojoules or more per cubic meter per hour during maximum continuous evaporation, and exclusively burn coal as of the effective date of this Order of the Prime Minister's Office)		450 cubic centimeters
(i v)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which exclusively burn coal and have a tangentially-fired tilting burner (the boilers mentioned above are limited to those that have emission gas volumes of 1,000,000 cubic meters or more and which exclusively burn coal as of the effective date of this Order of the Prime Minister's Office with an emission gas amount of 1,000,000 cubic meters or more, and excluding exclude those boilers listed stated in row (i)1 and row (ii)2.)		430 cubic centimeters

(v)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn solid fuel (excluding those boilers listedstated in the preceding rows)	The eEmission gas volumes ofamount is 700,000 cubic meters or more	400 cubic centimeters
		The eEmission gas volumes ofamount is 200,000 cubic meters or more and less than 700,000 cubic meters	420 cubic centimeters
		The eEmission gas volumes ofamount is 5,000 cubic meters or more and less than 200,000 cubic meters	450 cubic centimeters
		The eEmission gas volumes ofamount is less than 5,000 cubic meters	480 cubic centimeters
(vi)	Zinc and cadmium rectification furnaces used for refining zinc, among mMelting furnaces listed stated in row (xiv)14 of Appended Table 1 of the Cabinet Order that are zinc and cadmium rectification furnaces used for refining zinc (the rectification furnaces mentioned above are limited to those that which burn liquid petroleum gas or coke furnace gas)		200 cubic centimeters
(vii)	Reverberating furnaces listed stated in row (xxvi)26 of Appended Table 1 of the Cabinet Order		200 cubic centimeters

Supplementary Provisions [Order of the Prime Minister's Office No.31 of June 6, 1985]

- (1) This Order of the Prime Minister's Office comes into effect on September 10, 1985.
- (2) Until otherwise provided for by law, the provisions from Articles 3 through 5 do not apply to the boilers stated in row (i) of Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; referred to as the "Cabinet Order" below) if their heat conductive area calculated according to the provisions of Article 2 is less than ten square

- meters (referred to as the "small boiler" below), and their installation work started before the effective date of this Order of the Prime Minister's Office.
- (3) The provisions of Article 3 and Article 7, paragraph (1) do not apply to a small boiler for which installation work to replace the facility prescribed in the preceding paragraph starts during the period from the effective date of this Order of the Prime Minister's Office until September 9, 1988.
- (4) Until otherwise provided for by law, the provisions of Article 4, Article 5 and Article 7, paragraph (2) do not apply to a small boiler for which installation work began after the effective date of this Order of the Prime Minister's Office, and which exclusively burns gas, exclusively burns light liquid fuel (meaning kerosene, diesel oil, or heavy oil A; the same applies below), or burns a mixture of gas and light liquid fuel.
- (5) Until otherwise provided for by law, to apply the provisions of Article 7-3, paragraph (3) and Article 7-4, paragraph (3) to the specified factories or places of business as prescribed in Article 5-2, paragraph (1) of the Air Pollution Control Act in which a small boiler has been installed (that small boiler is limited to one for which installation work begins before the enforcement of this Order of the Prime Minister's Office), the phrase "date specified by the prefectural governor" in those provisions is deemed to be replaced with "date specified by the prefectural governor (or September 9, 1985, in the case of the boilers stated in row (i) of Appended Table 1 of the Cabinet Order with a heat conductive area of less than ten square meters)".
- (6) Until otherwise provided for by law, to apply the provisions included in Appended Table 2 to a small boiler for which installation work starts during the period from the effective date of this Order of the Prime Minister's Office until September 9, 1990, the amount of dust stated in the fourth column of that table is replaced with 0.50 grams, and the amount of dust stated in the fifth column of that table is replaced with 0.30 grams.
- (7) Until otherwise provided for by law, to apply the provisions included in Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to a small boiler for which installation work starts during the period from the effective date of this Order of the Prime Minister's Office until September 9, 1990, and which burns liquid fuel other than light liquid fuel (excluding one which burns solid fuel), the amount of nitrogen oxides stated in the fourth column of that table is replaced with 300 cubic centimeters.

Supplementary Provisions [Order of the Prime Minister's Office No.53 of November 6, 1987]

- (1) This Order of the Prime Minister's Office comes into effect on February 1, 1988.

- (2) Until otherwise provided for by law, the provisions of Articles 3 through 5 and Article 7 do not apply to the gas turbines stated in row (xxix) of Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; referred to as the "Cabinet Order" below) (the gas turbines mentioned above are referred to as the "gas turbines" below) or the diesel engines stated in row (xxx) of that table (referred to as the "diesel engines" below), if those gas turbines or diesel engines are only used in emergencies (the gas turbines or diesel engines are referred to as the "emergency facilities" below).
- (3) Until otherwise provided for by law, for applying the provisions of Article 7-2 when specifying the scale of a factory or place of business with an emergency facility, which is one of the requirements for that factory or place to be designated as a specified factory or place of business, as prescribed in Article 5-2, paragraph (1) of the Air Pollution Act (referred to as the "Act" below) (referred to as a "specified factory or place of business" below), the term "a facility generating soot or smoke" is deemed to be replaced with "a facility generating soot or smoke (excluding one only used in emergencies among the gas turbines stated in row (xxix) of Appended Table 1 of the Cabinet Order, and the diesel engines stated in row (xxx) of that table)".
- (4) Until otherwise provided for by law, to apply the provisions of Article 7-3 and Article 7-4 to a factory or place of business with an emergency facility which is to be designated as a specified factory or place of business, the term "a facility generating soot or smoke" is deemed to be replaced with "a facility generating soot or smoke (excluding one only used in emergencies among gas turbines stated in row (xxix) of Appended Table 1 of the Cabinet Order or diesel engines stated in row (xxx) of that table)".
- (5) Until otherwise provided for by law, to apply the provisions of Article 7-3, paragraph (3) and Article 7-4, paragraph (3) to a specified factory or place of business where a gas turbine or diesel engine (other than an emergency facility; the same applies below) has been installed, the phrase "date specified by the prefectural governor" in these provisions is deemed to be replaced with "date specified by the prefectural governor (or January 31, 1988, for the gas turbines stated in row (xxix) of Appended Table 1 of the Cabinet Order or the diesel engines stated in row (xxx) of that table)".
- (6) Until otherwise provided for by law, the provisions of Article 3 do not apply to a gas turbine or diesel engine with an emission gas amount of less than 10,000 cubic meters (that emission gas amount means the maximum amount of emission gases per hour when measured under the conditions of 0 degrees Celsius and 1 standard atmosphere unit; the same applies below), for which installation work has started before the effective date of this Order the Prime Minister's Office.

- (7) Until January 31, 1991, the provisions of Article 3 do not apply to a gas turbine or diesel engine with an emission gas amount of 10,000 cubic meters or more, for which installation work began before the effective date of this Order of the Prime Minister's Office; provided, however, that if an ordinance or rule established by a local government (referred to as an "ordinance or rule") is applicable to persons emitting soot or dust from a diesel engine into the atmosphere as of the effective date of this Order of the Prime Minister's Office, and the same formula as one for calculating the amount of sulfur oxides as prescribed in Article 3 is used in that ordinance or rule for the emission standard for sulfur oxides, the K value included in the formula as prescribed in paragraph (1) of that Article for an area within that local government as stated in the middle column of Appended Table is replaced with the value corresponding to the K value prescribed in that paragraph, which is included in the formula used in that ordinance or regulation, and the provisions of that Article apply to diesel engines, from February 1, 1990, until January 31, 1991.
- (8) Until otherwise provided for by law, the provisions of Article 4 and Article 5 do not apply to a gas turbine or diesel engine for which installation work has started before the effective date of this Order of the Prime Minister's Office.
- (9) Until otherwise provided for by law, to apply the provisions of row (xlvii) of Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to a gas turbine which exclusively burns gas (limited to one with an emission gas amount of less than 45,000 cubic meters) for which installation work starts during the period from the effective date of this Order of the Prime Minister's Office until July 31, 1989, the amount of nitrogen oxides stated in the fourth column of that table is replaced with 90 cubic centimeters.
- (10) Until otherwise provided for by law, to apply the provisions of row (xlvii) of Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to a gas turbine which burns liquid fuel (limited to one with an emission gas amount of 45,000 cubic meters or more) for which installation work starts during the period from the effective date of this Order of the Prime Minister's Office until January 31, 1991, the amount of nitrogen oxides stated in the fourth column of that table is replaced with 100 cubic centimeters.
- (11) Until otherwise provided for by law, to apply the provisions of row (xlvii) of Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to a gas turbine which burns liquid fuel (limited to one with an emission gas amount of less than 45,000 cubic meters), the amount of nitrogen oxides stated in the fourth column of that table is replaced with 120 cubic centimeters if that gas turbine's installation work starts during the period from the effective date of this Order of the Prime Minister's Office until July 31, 1989, and is replaced with 100 cubic centimeters if that gas turbine's installation work starts during the period from August 1, 1989, until January 31, 1991.

- (12) Until otherwise provided for by law, to apply the provisions of row (xlvi) of Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to a diesel engine which has a cylinder inner diameter of 400 millimeters or more (limited to one with an emission gas amount of less than 45,000 cubic meters), the amount of nitrogen oxides stated in the fourth column of that table is replaced with 600 cubic centimeters if that diesel engine's installation work starts during the period from the effective date of this Order of the Prime Minister's Office until July 31, 1989; 400 cubic centimeters if that diesel engine's installation work starts during the period from August 1, 1989, until January 31, 1991; and 1,200 cubic centimeters if that diesel engine's installation work starts on or after February 1, 1991.

Supplementary Provisions [Order of the Prime Minister's Office No.59 of December 27, 1989]

This Order of the Prime Minister's Office comes into effect on the date of promulgation.

Supplementary Provisions [Order of the Prime Minister's Office No.58 of December 1, 1990]

- (1) This Order of the Prime Minister's Office comes into effect on February 1, 1991.
- (2) Until otherwise provided for by law, the provisions of Articles 3 through 5 and Article 7 do not apply to the gas engines stated in row (xxxi) of Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; referred to as the "Cabinet Order" below) (referred to as a "gas engine" below) or the gasoline engines stated in row (xxxii) of that table (referred to as a "gasoline engine" below), if those gas engines or gasoline engines are only used in emergencies (those gas engines or gasoline engines are referred to as the "emergency facilities" below).
- (3) Until otherwise provided for by law, to apply the provisions of Article 7-2 when specifying the scale of a factory or place of business with an emergency facility, which is one of the requirements for that factory or place of business to be designated as a specified factory or place of business prescribed in Article 5-2, paragraph (1) of the Air Pollution Act (referred to as "the Act" below) (referred to as a "specified factory or place of business" below), the term "a facility generating soot or smoke" is deemed to be replaced with "a facility generating soot or smoke (excluding one only used in emergencies among gas engines stated in row (xxxi) of Appended Table 1 of the Cabinet Order or gasoline engines stated in row (xxxii) of that table)".

- (4) Until otherwise provided for by law, to apply the provisions of Article 7-3 or Article 7-4 to a factory or place of business with an emergency facility which is to be designated as a specified factory or place of business, the term "a facility generating soot or smoke" is deemed to be replaced with "a facility generating soot or smoke (excluding one only used in emergencies among the gas engines stated in row (xxxi) of Appended Table 1 of the Cabinet Order or the gasoline engines stated in row (xxxii) of that table)".
- (5) Until otherwise provided for by law, to apply the provisions of Article 7-3, paragraph (3) and Article 7-4, paragraph (3) to a specified factory or place of business where a gas engine or gasoline engine (excluding an emergency facility; the same applies below) has been installed, the phrase "date specified by the prefectural governor" in these provisions is deemed to be replaced with "date specified by the prefectural governor (or January 31, 1991, for the gas engines stated in row (xxxi) of Appended Table 1 of the Cabinet Order or the gasoline engines stated in row (xxxii) of that table)".
- (6) Until otherwise provided for by law, to apply the provisions of row (xlix) or row (l) of Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to gas engines or gasoline engines for which installation work has started before the effective date of this Order of the Prime Minister's Office, the amount of nitrogen oxides stated in the fourth column of that row is replaced with 2,000 cubic centimeters.
- (7) Notwithstanding the provisions of the preceding paragraph, for the period until January 31, 1993, the provisions of row (xlix) and row (l) of Appended Table 3-2, as amended by this Order of the Prime Minister's Office, do not apply to gas engines or gasoline engines for which installation work started before February 1, 1988.
- (8) Until otherwise provided for by law, to apply the provisions of row (xlix) or row (l) of Appended Table 3-2, as amended by this Order of the Prime Minister's Office, to a gas engine or gasoline engine for which installation work starts during the period from the effective date of this Order of the Prime Minister's Office until January 31, 1994, the amount of nitrogen oxides stated in the fourth column of that row is replaced with 1,000 cubic centimeters.

Supplementary Provisions [Order of the Prime Minister's Office No. 49 of October 29, 1993]

This Order of the Prime Minister's Office comes into effect on April 1, 1994.

Supplementary Provisions [Order of the Prime Minister's Office No.34 of June 28, 1995]

This Order of the Prime Minister's Office comes into effect on July 3, 1995.

Supplementary Provisions [Order of the Prime Minister's Office No. 7 of March 29, 1996]

(Effective Date)

- (1) This Order of the Prime Minister's Office comes into effect on the date of promulgation.

(Transitional Measures Related to Forms)

- (2) Until otherwise provided by law, it is permissible to use the previous form for a written report which is based on Form No. 4 or No. 6 of the Regulations for Enforcement of the Air Pollution Control Act, Form No. 5 of the Regulations for Enforcement of the Water Pollution Control Act, Form No. 6 of the Regulations for Enforcement of the Noise Regulation Act, Form No. 6 of the Regulations for Enforcement of the Vibration Regulation Act, Form No. 4 of the Regulations for Enforcement of the Act on Special Measures for the Conservation of Lake Water Quality, or Form No. 8 of the Regulations for Enforcement of Act on Special Measures concerning Water Quality Conservation at Water Resources Area in Order to Prevent the Specified Difficulties in Water Utilization, as amended by this Order of the Prime Minister's Office.

(Transitional Measures for Penal Provisions)

- (3) Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Order of the Prime Minister's Office comes into effect.

Supplementary Provisions [Order of the Prime Minister's Office No.50 of October 25, 1996]

This Order of the Prime Minister's Office comes into effect on the date of promulgation.

Supplementary Provisions [Order of the Prime Minister's Office No.5 of February 6, 1997]

This Order of the Prime Minister's Office comes into effect on April 1, 1997.

Supplementary Provisions [Order of the Prime Minister's Office No. 27 of April 10, 1998]

- (1) This Order of the Prime Minister's Office comes into effect on July 1, 1998; provided, however, that the portion adding ", once or more per year with regard to measurement associated with the facilities generating soot or smoke as stated in row (i), row (lvi) or row (lviii) of Appended Table 2" under "once or more per year)" in the amending provisions included in Article 15 comes into effect on the date of promulgation.
- (2) The provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, do not apply to the waste incinerators stated in row (xiii) of the Appended Table 1 of the Order for Enforcement of the Air Pollution Control Act (Cabinet Order No. 329 of 1968; referred to as the "Cabinet Order" below) which have been installed as of the effective date of this Order of the Prime Minister's Office (including a facility for which installation work is underway) from the effective date of this Order of the Prime Minister's Office until March 31, 2000.
- (3) To apply the provisions included in Appended Table 2, as amended by this Order of the Prime Minister's Office, to the waste incinerators stated in row (xiii) of Appended Table 1 of the Cabinet Order which have been installed as of the effective date of this Order of the Prime Minister's Office (including a waste incinerator for which installation work is underway), the amount of dust stated in the fourth column of that table is replaced with the amount of dust stated in the third column of Appended Table of the Supplementary Provisions for each scale of the facilities stated in the second column of that table, from April 1, 2000, until otherwise provided for by law.
- (4) Notwithstanding the provisions of the preceding paragraph, if the emission standard for dust under Article 3, paragraph (1) of the Air Pollution Control Act (Act No. 97 of 1968; referred to as "the Act" below) applies to the waste incinerators stated in row (xiii) of Appended Table 1 of the Cabinet Order for which installation work has started in the areas stated in Appended Table 5 during the period from June 24, 1971, until the day preceding the effective date of this Order of the Prime Minister's Office, the emission standard for dust is replaced with the strictest of the following permissible limits, from April 1, 2000: the permissible limit established by the emissions standards for dust, as prescribed by Article 3, paragraph (3) of the Act before the amendment by this Order of the Prime Minister's Office; or the permissible limit established by the emissions standards for dust, as prescribed by Article 3, paragraph (1) of the Act amended by this Order of the Prime Minister's Office.

Appended Table of the Supplementary Provisions

Waste incinerators listed state d in row (xiii)13 of Appended Table 1 of the Cabinet Order	The iIncineration capacity of is 4,000 kilograms or more per hour	0.08 grams
	The iIncineration capacity of is 2,000 kilograms or more and less than 4,000 kilograms per hour	0.15 grams
	The iIncineration capacity of is less than 2,000 kilograms per hour	0.25 grams

Supplementary Provisions [Order of the Prime Minister's Office No. 26 of March 31, 1999]

- (1) This Order of the Prime Minister's Office comes into effect on October 1, 1999.
- (2) If a form has been prepared before the effective date of this Order of the Prime Minister's Office, by using the previous format before the amendment by this Order of the Prime Minister's Office, that form may be used until otherwise provided for by law.

Supplementary Provisions [Order of the Prime Minister's Office No. 7 of February 8, 2000] [Extract]

(Effective Date)

Article 1 This Order of the Prime Minister's Office comes into effect on April 1, 2000.

Supplementary Provisions [Order of the Prime Minister's Office No.94 of August 14, 2000] [Extract]

- (1) This Order of the Prime Minister's Office comes into effect on the effective date (January 6, 2001) of the Act Partially Amending the Cabinet Act (Act No. 88 of 1999).

Supplementary Provisions [Order of the Ministry of the Environment No. 15 of May 15, 2002]

- (1) This Ministerial Order comes into effect on the date of promulgation.
- (2) Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Ministerial Order enters into effect.

Supplementary Provisions [Order of the Ministry of the Environment No. 5 of March 25, 2003]

- (1) This Ministerial Order comes into effect on the date of promulgation.

Supplementary Provisions [Order of the Ministry of the Environment No.14 of June 10, 2005]

- (1) This Ministerial Order comes into effect on April 1, 2006.
- (2) From the effective date of this Ministerial Order until March 31, 2010, the provisions of Article 15-2 do not apply to the facilities stated in the middle column of Appended Table 5-2 which have been installed as of the effective date of this Ministerial Order (including a facility for which installation work is underway).
- (3) During the period from April 1, 2010, until otherwise provided for by law, to apply the provisions of row (ii) of Appended Table 5-2 to the facilities stated in the middle column of that row which have been installed as of the effective date of this Ministerial Order (including a facility for which installation work is underway), the amount of volatile organic compounds stated in the right column of that row is replaced with 700 cubic centimeters.
- (4) From April 1, 2010, until otherwise provided for by law, the provisions of Article 15-2 apply to the facilities stated in the middle column of row (xi) of Appended Table 5-2 which have been installed as of the effective date of this Ministerial Order (including a facility for which installation work is underway), if the capacity is 2,000 kiloliters or more.

Supplementary Provisions [Order of the Ministry of the Environment No. 20 of September 20, 2005]

(Effective Date)

Article 1 This Ministerial Order comes into effect on October 1, 2005.

(Transitional Measures for Dispositions, Applications, and Other Actions)

Article 2 (1) If the Minister for the Environment has made a registration or taken other disposition, or has issued a notice or taken other action, pursuant to the provisions of laws and regulations before the effective date of this

Ministerial Order (that disposition or action is limited to one which involves the authority delegated to the head of a regional environmental affairs office pursuant to the provisions of one of the Ministerial Orders, as amended by this Ministerial Order; referred to as a "disposition or action" below), that disposition or action is deemed to have been taken by the corresponding head of a regional environmental affairs office; and if an application, notification or other action has been taken with the Minister of the Environment pursuant to the provisions of laws and regulations, before the effective date of this Ministerial Order (that application, notification or other action is limited to one which involves the authority delegated to the head of a regional environmental affairs office pursuant to the provisions of one of the Ministerial Orders, as amended by this Ministerial Order; referred to as the "application or equivalent action" below), that application or equivalent action is deemed to have been taken with the corresponding head of a regional environmental affairs office.

- (2) If, before the effective date of this Ministerial Order, it was provided by pursuant to laws and regulations that procedures such as making a report, filing a notice, submitting a document to the Ministry of the Environment must be carried out regarding specific matters (limited to the matters which involve the authority delegated to the head of a regional environmental affairs office pursuant to the provisions of one of the Ministerial Orders, as amended by this Ministerial Order), but any of those procedures has not been carried out for those specific matters as of the effective date of this Ministerial Order, it is deemed that procedures such as making a report, filing a notice, or submitting a document to the corresponding head of a regional environmental affairs office have been required to be carried out pursuant to those laws and regulations, but have not been carried out so far, and the provisions of those laws and regulations apply to those specific matters.

(Transitional Measures for Penal Provisions)

Article 3 Prior laws and regulations continue to govern the applicability of penal provisions to actions engaged before this Ministerial Order enters into effect.

**Supplementary Provisions [Order of the Ministry of the Environment
No.34 of December 21, 2005]**

This Ministerial Order comes into effect on March 1, 2006.

**Supplementary Provisions [Order of the Ministry of the Environment No.
25 of August 11, 2006]**

This Ministerial Order comes into effect on the effective date (October 1, 2006) of the Act Partially Amending the Air Pollution Control Act for Preventing Asbestos Health Damage (Act No. 5 of 2006).

Supplementary Provisions [Order of the Ministry of the Environment No. 11 of April 20, 2007]

(Effective Date)

Article 1 This Ministerial Order comes into effect on the date of promulgation.

(Transitional Measures)

Article 2 (1) If a certificate has been prepared before the effective date of this Ministerial Order, by using the previous format before the amendment by this Ministerial Order, that certificate is deemed to have been prepared by using the format amended by this Ministerial Order.

(2) If a form has been created before the effective date of this Ministerial Order, by using the previous format before the amendment by this Ministerial Order, that form may be used after the effective date of this Ministerial Order, by making arrangements to it, until otherwise provided for by law.

Supplementary Provisions [Order of the Ministry of the Environment No.15 of August 4, 2010]

This Ministerial Order comes into effect as from the date of promulgation prescribed in the proviso to Article 1 of the Supplementary Provisions of the Act Partially Amending the Air Pollution Control Act and the Water Pollution Control Act (August 10, 2010); provided, however, that the provisions stated in the following items come into effect on the dates specified in those items:

- (i) the provisions amending Remark 1 of Appended Table 3 (excluding the amending provisions which delete the phrase "that are the ortho-toluidine method or the continuous analysis method"), and the provisions amending Remark 2 of that table: the date of promulgation;
- (ii) the provisions amending Remark 1 of Appended Table 3 (limited to the amending provisions which delete the phrase "that are the ortho-toluidine method or the continuous analysis method"): October 1, 2010.

Supplementary Provisions [Order of the Ministry of the Environment No. 3 of March 16, 2011]

(Effective Date)

Article 1 This Ministerial Order comes into effect on the effective date (April 1,

2011) of the Act Partially Amending the Air Pollution Control Act and the Water Pollution Control Act (Act No. 31 of 2010).

(Transitional Measures Related to Forms)

Article 2 If a certificate has been issued before the effective date of this Ministerial Order, by using Form No. 8 of the Regulations for Enforcement of the Air Pollution Control Act, before the amendment by this Ministerial Order, that certificate is deemed to have been prepared under the Regulations for Enforcement of the Air Pollution Control Act, as amended by this Ministerial Order; and if a certificate has been issued before the effective date of this Ministerial Order, by using Form No. 11 of the Regulations for Enforcement of the Water Pollution Control Act, before the amendment by this Ministerial Order, that certificate is deemed to have been prepared under the Regulations for Enforcement of the Water Pollution Control Act, as amended by this Ministerial Order.

Supplementary Provisions [Order of the Ministry of the Environment No. 4 of March 6, 2013]

This Ministerial Order comes into effect as from the date of promulgation.

Supplementary Provisions [Order of the Ministry of the Environment No. 24 of December 19, 2013]

This Ministerial Order comes into effect on the effective date of the Act on Arrangement of Relevant Acts for Prevention of Environmental Pollution Caused by Radioactive Materials (December 20, 2013).

Supplementary Provisions [Order of the Ministry of the Environment No.15 of May 7, 2014]

(Effective Date)

(1) This Ministerial Order comes into effect on the effective date of the Act Partially Amending the Air Pollution Control Act.

(Transitional Measures)

(2) If a task which causes the emission or dispersal of specified particulates is being undertaken on the effective date of this Ministerial Order, the phrase "for the first time" in (c) and (f) of the right column of row (i) of that table is deemed to be replaced with "for the first time after enforcement of this Ministerial Order", in relation to the application of the provisions included in

Appended Table No. 7, as amended by this Ministerial Order to that task.

- (3) If demolition work including renovations or repairs is being undertaken on the effective date of this Ministerial Order, the phrase "by the commencement of demolition work including renovations or repairs (or by 14 days before the commencement of a task which causes the emission or dispersal of specified particulates, if the demolition work including renovations or repairs falls under specified construction work, and that task included within the demolition work starts within 14 days of the date of commencement of that demolition work)" in that Article is deemed to be replaced with "promptly after the effective date of this Ministerial Order", in relation to the application of the provisions of Article 16-6 to that demolition work.

Supplementary Provisions [Order of the Ministry of the Environment No. 22 of September 26, 2016]

(Effective Date)

Article 1 This Ministerial Order comes into effect on the effective date of the Act Partially Amending the Air Pollution Control Act (Act No. 41 of 2015).

(Transitional Measures)

- Article 2 (1) If the provisions of Article 16-11 of the Regulations for Enforcement of the Air Pollution Control, as amended by this Ministerial Order (referred to as "the new Regulations" below), apply to a facility emitting mercury which has been installed as of the effective date of this Ministerial Order (including a facility for which installation work is underway), those provisions are applied in accordance with the amount stated in the right column of Appended Table 1 of the Supplementary Provisions regarding mercury and its compounds, for each type and size of the facilities stated in the middle column of that table, until otherwise provided for by law.
- (2) Notwithstanding the provisions of the preceding paragraph, if the kilns used for the manufacture of cement as stated in row (vii) of Appended Table 1 of the Supplementary Provisions have been installed as of the effective date of this Ministerial Order, and the mercury content per kilogram of limestone used as raw material is 0.05 milligrams or more per month, the amount of mercury and its compounds stated in the right column of that table is replaced with 140 micrograms, until the mercury content per kilogram of limestone used as raw material is less than 0.05 milligrams per month for four consecutive months.
- (3) The provisions of Article 2, paragraph (1) of the Supplementary Provisions of the new Regulations do not apply to a facility emitting mercury which has been installed as of the effective date of this Ministerial Order, and does not comply with the standards under that paragraph of that Article, until the last day in

the two-year period which begins on the effective date of this Ministerial Order (or until the date of completion of refurbishing that facility or other related facility for processing mercury and its compounds, to reach a conformity with the standards under Article 2, paragraph (1) of the Supplementary Provisions of the new Regulations, if that refurbishment is completed before that last day in the two-year period).

- (4) Notwithstanding the provisions of the preceding paragraph, if a facility emitting mercury which has been installed as of the effective date of this Ministerial Order does not comply with the standards under Article 2, paragraph (1) of the Supplementary Provisions of the new Regulations, and is stated in the left column of Appended Table 2 of the Supplementary Provisions, the provisions of Article 2, paragraph (1) of the Supplementary Provisions of the new Regulations which are applicable to that facility do not apply until the dates stated in the right column of that table.
- (5) The provisions of the preceding paragraphs do not apply to a facility emitting mercury, if its heat conducting area, burner combustion capacity, raw material processing capacity, fire grate area, tuyere cross-section area, transformer rated capacity, or incineration capacity has increased by 50 percent or more (limited to the increase of any factors mentioned above, which causes another increase in the amount of mercury emitted from that facility) due to a change in the structure of that facility which takes place on or after the effective date of this Ministerial Order.
- (6) If a form has been prepared before the effective date of this Ministerial Order, by using the previous format before the amendment by this Ministerial Order, that form may be used by making arrangements to it, until otherwise provided for by law.

Appended Table 1 of the Supplementary Provisions

(i)	Boilers listed stated in row (i)1 of Appended Table 1 of the Cabinet Order, that which burn coal (excluding those that exclusively burn coal) and havewith a burner fuel combustion capacity of less than 100,000 liters per hour converted into on a heavy oil conversion basis (the boilers mentioned above exclude those which exclusively burn coal)	15 micrograms
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(ii))	Boilers listed stated in row 1 of Appended Table 1 of the Cabinet Order, that which burn coal other than those boilers listed stated in the preceding row	10 micrograms
(ii) i)	Units Facilities listed stated in row (iii)3 through (v)to row 5 of Appended Table 1 of the Cabinet Order and or units facilities listed stated in row (xiv) of that table,14 that which are units used for primary refining and used for refiningregarding copper or gold (excluding melting furnaces only using crude copper, crude silver or crude gold as raw material.)	30 micrograms
(i) v)	Units Facilities listed stated in row (iii)3 through row 5 (v) of Appended Table 1 of the Cabinet Order and or units listedfacilities stated in row 14 (xiv) of that table, that which are units used for primary refining and used for refining regarding lead or zinc (excluding melting furnaces only using crude lead or distilled zinc as raw material)	50 micrograms
(v))	Facilities statedUnits listed in row (iii)3 through row (v)5 of Appended Table 1 of the Cabinet Order and unitsor facilities statedlisted in row (xiv)14 of that table, which are units used for secondary refining and used for refiningregarding copper, lead or zinc, melting furnaces, melting furnances listed stated in row (xxiv) of that table24 which are used for secondary refining of regarding lead (not including the manufacture of lead alloys), and or facilities statedunits listed in row (iii) 3 of Appended Table 1 of the Order for Enforcement of the Act of Special Measures Concerning Dioxins (Cabinet Order No. 433 of 1999) (excluding melting furnaces only using crude copper, crude silver or crude gold as raw material)	400 micrograms

(v i)	Facilities stated Units listed in row (iii)3 through row 5(v) of Appended Table 1 of the Cabinet Order , that which are units used for secondary refining and used forregarding refining gold (excluding melting furnaces only using crude silver or crude gold as raw material)	50 micrograms
(v ii)	Kilns listed stated in row (ix)9 of Appended Table 1 of the Cabinet Order, that which are used for the manufacturing e of cement	80 micrograms
(v iii)	Waste incinerators listed stated in row (xiii)13 of Appended Table 1 of the Cabinet Order, waste processing units facilities prescribed in Article 8, paragraph (1) of the Waste DisposalManagement and Public Cleansing Act (Act No. 137 of 1970) (limited to incineration unitsfacilities), and or units listedfacilities stated in Article 7, item (iii), item (v), item (viii), item (x), item (xi-2)-2, item (xii), and item (xiii-2)-2 of the Order for Enforcement of the Waste DisposalManagement and Public Cleansing Act (Cabinet Order No. 300 of 1971; hereinafter referred to as the "Order Enforcement of the Waste DisposalManagement Act"), that have aif their fire grate area of is 2 square meters or more, or have a their incineration capacity of is 200 kilograms or more per hour (excluding cases of disposal of only industrial waste by waste oil incineration units facilities listed stated in Article 7, item (v) of the Order Enforcement of the Waste Disposal Management Act, that are thosewhich handling waste oil other than that produced in refining processes using crude oil as a raw material, if the industrial wastes are processed mainly within those facilities, and also excluding theose facilities listed stated in the following row)	50 micrograms

(ix)	FacilitiesUnits used for the collection of mercury from industrial waste from which mercury is to be collected pursuant to the provisions of Article 6, paragraph (1), item (ii),(e) or Article 6-5, item (ii),(h) of the Order Enforcement of the Waste Disposal Act same Cabinet Order, or collecting mercury from mercury-containing recyclable resources prescribed in Article 2, paragraph (2) of the Act on Preventing Environmental Pollution by Mercury (Act No. 42 of 2015) (the facilities mentioned above are limited to units those in which including a heating process takes place during while collecting mercury)	100 micrograms
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Remarks

(1) The "Units facilities used for primary refining" mean the units listed facilities stated in row (iii)3 through row 5(v) of Appended Table 1 of the Cabinet Order and or units listed facilities stated in row (xiv),14 that which refine copper, lead or zinc by using raw materials with mineral sulfide content rate of 50 percent or more by weight, or by using materials made up of those raw materials, and or which refine gold by using raw materials with mineral sulfide content rate of 50 percent or more by weight, or by using materials made up of those raw materials.

2 「二次精錬の用に供する施設」とは、令別表第一の三の項から五の項までに掲げる施設及び一四の項に掲げる施設のうち一次精錬の用に供する施設以外のものをいう。(2) The "facilitiesUnits used for secondary refining" are mean the facilities stated units listed in row (iii)3 through row 5(v) of Appended Table 1 of the Cabinet Order or facilities stated and units listed in row (xiv),14 other than units those used for primary refining.

(3) The volume amount of mercury or a mercuryits compounds listed sated in the right column of this Ttable is the volume of mercury or a mercury compound to be calculated by using the formula shown stated in item (i) below for the facilities units using electricity as a heat source and units listed the facilities stated in row s (iii)3 through row 6(vi), and is to be calculated by using the formula shown stated in item (ii) below for other units facilities:

(i) $C = C_s$

(ii) $C = (21 - O_n) / (21 - O_s) \cdot C_s$

In this formula equation, the symbols "C", "O_n", "O_s" and "C"s are to represent the following values respectively:

C: Volume the amount of mercury or a mercuryits compounds (units: micrograms)

On: tThe values listed stated in the right column of the following table for units the facilities referred to in each of the rows listed stated in the left column of the sameat table.

R o w (i) 1, ro w (ii))2	6
R o w (v ii) 7	10
R o w (v iii))8, ro w (i x) 9	12

Os: the cConcentration rate of oxygens included in the emission gasses (or 20 percent, in cases wheref the concentration rate exceeds 20 percent) (units: percent)

Cs: tThe amount concentration of mercury included for measured using the method specified by the Minister of the Environment, calculated as the concentration pereach cubic meter of emission gasses when, calculated as if measured under the conditions with a temperature of zero 0 degrees Celsius and a pressure of one1 standard atmosphere unit, which is converted from the concentration rate of mercury which is measured by using the method specified by the Minister of the Environment (units: micrograms)

(4) In the case of units wheref the volume amount of mercury or itsa mercury compounds fluctuates significantly in the facilities, that amount is to be obtained by the average volume of mercury or its compounds generated per a single process in those facilities is used.

Appended Table 2 of the Supplementary Provisions

A person who has made an application for approval of a change of to a unit facility (limited to a changes pertaining to units a facility emitting mercury and or units facility processing mercury or mercury its compounds) pursuant to the provisions of under Article 9, paragraph (1) or Article 15-2-6, paragraph (1) of the Waste Disposal Management and Public Cleansing Act (Act No. 137 of 1970; hereinafter referred to as the "Waste Disposal Management Act" below) during the one-year period that commences until the date one year has elapsed since the effective date of enforcement of this Ministerial Order	The earlier date of the date of commencement of use of the unit facility for which the change is approved pursuant to the provisions of Article 9, paragraph (1) or Article 15-2-6, paragraph (1) of the Waste Disposal Management Act, or the date after the final date in one-year period that commences has elapsed since the date of that approval was received
A person who has provided notification of a change (limited to a changes pertaining to units a facility emitting mercury or facility and units processing mercury or mercury its compounds) pursuant to the provisions of under Article 9-3, paragraph (8) of the Waste Disposal Management Act during the one-year period that until commences on the effective date one year has elapsed since the date of enforcement of this Ministerial Order	The earliest date of among the date of commencement of use of the facility unit for which the notification was is provided pursuant to the provisions of Article 9-3, paragraph (8) of the Waste Disposal Management Act, the date after the final date in on which the period referred to in paragraph (3) of the same at A article as applied mutatis mutandis pursuant to paragraph (9) of the same at A article has elapsed, or the date after the final date in one-year period has elapsed since that commences on the date on which that person receives a notice from the prefectural governor, stating that the content details of included in the notification provided by that person are is reasonable is received from the prefectural governor

Supplementary Provisions [Order of the Ministry of the Environment No. 1 of January 6, 2017]

This Ministerial Order comes into effect on the date of promulgation; provided, however, that the provisions of Article 2 come into effect on the effective date of the Act Partially Amending the Air Pollution Control Act (Act No. 41 of 2015).

Supplementary Provisions [Order of the Ministry of the Environment No.

9 of March 30, 2020]

This Ministerial Order comes into effect on the date of promulgation.

**Supplementary Provisions [Order of the Ministry of the Environment No.
25 of October 15, 2020]**

(Effective Date)

Article 1 This Ministerial Order comes into effect on the date on which the Act Partially Amending the Air Pollution Control Act (referred to as the "Amending Act" in this Article) comes into effect (April 1, 2021); provided, however, that the provisions stated in the items below come into effect on the dates specified in those items:

- (i) provisions of Article 2 and Article 6: April 1, 2022;
- (ii) provisions of Article 3 and Article 7: October 1, 2023.

(Transitional Measures)

Article 2 (1) The provisions of Article 10-4 and Articles 16-4 through 16-16, and provisions included in Appended Table 7 of the Regulations for Enforcement of the Air Pollution Control Act, as amended by Article 1 of this Ministerial Order, apply to demolition work including renovations or repairs which starts on or after the final date in the 14- day period which commences on the effective date of this Ministerial Order (referred to as the "effective date" in the following paragraph) (excluding demolition work including renovations or repairs, which also includes any task that causes the emission or dispersal of specified particulates, if a notification under Article 18-15, paragraphs (1) or (2) of the Air Pollution Control Act before the amendment by the Amending Act has been filed for that task, but the demolition work has not started before the final date mentioned above (this demolition work is referred to as the "upcoming work with the notification given")), and prior laws and regulations continue to govern the demolition work including renovations or repairs (including the upcoming work with the notification given; the same applies in the following paragraph) which has started before the final date mentioned above.

(2) Notwithstanding Article 10-4, paragraph (1) of the Regulations for Enforcement of the Air Pollution Control Act, as amended by Article 1 of this Ministerial Order, if the preceding paragraph provides that prior laws and regulations continue to govern the demolition work including renovations or repairs, and a notification is to be filed regarding implementation of a task which causes the emission or dispersal of specified particulates, that is included within that demolition work, that notification may be filed in writing, by using the previous Form 3-4 before the amendment by Article 1.

**Supplementary Provisions [Order of the Ministry of the Environment No.
31 of December 28, 2020]**

(Effective Date)

- (1) This Ministerial Order comes into effect on the date of promulgation.

(Transitional Measures)

- (2) If a document has been prepared before the effective date of this Ministerial Order, by using the previous format before the amendment by this Ministerial Order (referred to as the "previous format" in the following paragraph), that document is deemed to have been prepared by using the format amended by this Ministerial Order.
- (3) If a form has been prepared before the effective date of this Ministerial Order, by using the previous format, that form may be used by making arrangements to it to the extent found reasonably necessary, until otherwise provided for by law.

**Supplementary Provisions [Order of the Ministry of the Environment No.
3 of March 25, 2021]**

(Effective Date)

- (1) This Ministerial Order comes into effect on April 1, 2021.

(Transitional Measures)

- (2) If a document has been prepared before the effective date of this Ministerial Order, by using the previous format before the amendment by this Ministerial Order (referred to as the "previous format" in the following paragraph), that document are deemed to have been prepared, by using the format amended by this Ministerial Order.
- (3) If a form has been prepared before the effective date of this Ministerial Order, by using the previous format, that form may be used by making arrangements to it to the extent found reasonably necessary, until otherwise provided for by law.

**Supplementary Provisions [Order of the Ministry of the Environment No.
4 of March 3, 2022]**

(Effective Date)

- Article 1 This Ministerial Order comes into effect on the date of promulgation; provided, however, that the provisions of Article 1 come into effect on the

effective date of the Cabinet Order Partially Amending the Order for Enforcement of the Air Pollution Control Act (October 1, 2022).

(Transitional Measures)

- Article 2 (1) If a document has been prepared before the effective date of the provisions of Article 1 of this Ministerial Order, by using the previous Form 3-6 of the Regulations for Enforcement of the Air Pollution Control Act, before the amendment by Article 1 of this Ministerial Order (referred to as the "previous format" in the following paragraph), that document is deemed to have been prepared by using Form 3-6 of the Regulations for Enforcement of the Air Pollution Control Act, as amended by Article 1 of this Ministerial Order.
- (2) If a form has been prepared before the effective date of the provisions of Article 1, by using the previous format, that form may be used by making arrangements to it, until otherwise provided by law.

Supplementary Provisions [Order of the Ministry of the Environment No. 10 of June 23, 2023]

This Ministerial Order comes into effect on the date of promulgation; provided, however, that the provisions of Article 1 come into effect on January 1, 2026.

Supplementary Provisions [Order of the Ministry of the Environment No. 17 of April 1, 2024] [Extract]

(Effective Date)

Article 1 This Ministerial Order comes into effect on the date of promulgation.

(Transitional Measures)

- Article 3 (1) A certificate that is being used in a format from before its amendment or repeal by this Ministerial Order (referred to as the "previous format" in the following paragraph) and that exists at the time this Ministerial Order comes into effect is deemed to be in the format as amended by this Ministerial Order.
- (2) Until otherwise provided for by law, a form that is based on the old format and that already exists at the time this Ministerial Order comes into effect may be used by making corrections to it.

Appended Table 1 (Related to Article 3)

(i) 1	Areas listed stated in items (xxxiii)33, (xxxv)35, (xlix)49, (liv)54, (lviii)58 and (lx)60 of Appended Table 3 of the Order	3
(ii) 2	Areas statedlisted in items (xxvii)27, (xxix)29, (xlvii)47, (xlviii)48, (liii)53, (lvi)56, (lix)59, (lxi)61, (lxiv)64, (lxvi)66, (lxvii)67, (lxix)69, (lxxiv)74, (lxxv)75, (lxxvii)77, (lxxviii)78, (lxxx)80, (lxxxv)85, (lxxxviii)88, (xc)90 and 96 (xcvi) of Appended Table 3 of the Order	3.5
(ii) i) 3	Areas statedlisted in item (i)1 of Appended Table 3 of the Order	4
(i) v) 4	Areas statedlisted in items (v)5, (xviii)18, (xxii)22 and (lxxix)79 of Appended Table 3 of the Order	4.5
(v) 5	Areas listed stated in items (xxxviii)38, (lxxi)71 and (lxxxvii)87 of Appended Table 3 of the Order	5
(v) i) 6	Areas listed stated in items (viii)8, (xvii)17, (xxiv)24, (xxxvi)36, (lxv)65, (lxxvi)76, (lxxxiii)83, (lxxxvi)86 and (xciv)94 of Appended Table 3 of the Order	6
(v) ii) 7	Areas statedlisted in items (vii)7, (xxxiv)34 and (lxviii)68 of Appended Table 3 of the Order	6.42
(v) iii) 8	Areas statedlisted in items (xi)11, (xxiii)23-2, (xxiii)23-3, (xl)40, (xlvi)46 and (lxx)70 of Appended Table 3 of the Order	7
(i) x) 9	Areas statedlisted in items (iii)3, (iv)4, (xv)15, (xxiii)23, (xli)41, (lxxii)72, (lxxiii)73 and (lxxx)81 of Appended Table 3 of the Order	8
(x) 1) 0	Areas statedlisted in items (xiv)14, (xxxix)39, (l)50, (lv)55, (lxii)62, (lxxxix)89, (xci)91 and (xcvii)97 of Appended Table 3 of the Order	8.76
(x) i) 11	Areas statedlisted in items (xxv)25, (xxvi)26, (xxxi)31, (li)51, (lii)52 and (xcix)99-2 of Appended Table 3 the Order	9
(x) ii) 12	Areas statedlisted in items (vi)6, (xlii)42, (xlv)45 and (xcii)92 of Appended Table 3 of the Order	10

(x iii)1 3	Areas statedlisted in items (ii)2, (xii)12, (xiii)13, (xvi)16, (xxi)21, (xxxv)35-2, (xxxvi)37, (xliii)43, (xliv)44, (lvii)57, (lxxxii)82, (lxxxiv)84, (xciii)93, (xcv)95 and (xcix)99 of Appended Table 3 of the Order	11.5
(x iv)1 4	Areas listed stated in items (xxv)25-2, (xlv)46-2, (lxvii)67-2, (lxxxi)81-2, (xc)90-2 and (xcix)99-3 of Appended Table 3 the Order	13
(x v) 15	Areas listed stated in items (vii)7- 2, (viii)8-2, (ix)9, (x)10, (xiv)14-2, (xix)19, (xx)20, (xxviii)28, (xxx)30, (xxxii)32, (xxxvi)36-2, (xlii)42-2, (xlii)42-3, (liv)54-2, (lv)55-2, (lxiii)63, (lxxxiv)84-2, (xcii)92-2, (xcvii)97-2 and (xcviii)98 of Appended Table 3 of the Order	14.5
(x vi)1 6	Areas statedlisted in item 100(c) of Appended Table 3 of the Order	17.5

Remarks: The amount of sulfur oxides referred to in Article 3, paragraph (1) which are calculated based on the values listed stated in the right column of this Ttable represents the amount of sulfur oxides measured and calculated by any of the following measurement methods:

1. a method for measuring the concentration rate of sulfur oxides by the method prescribed in JIS K0103, and measuring the amount of emission gas by the method prescribed in JIS Z8808, respectively; or
2. a method for measuring the sulfur content rate of fuel by the method prescribed in JIS K2301, JIS K2541-1 through 2541-7, or JIS M8813, and measuring the used amount of fuel by the method prescribed in JIS Z8762-1 through Z8762-4, or any other method found appropriately. respectively
3. a method specified by the Minister of the Environment.

Appended Table 2 (Related to Articles 4 and 7)

(i)1	Boilers stated listed in row (i)1 of Appended Table 1 of the Order, which exclusively burn that combust only gas (excluding those boilers stated listed in row (v)5)	The amount of emission gasses (meaning the maximum amount of emission gasses per hour when converted into measured under the amount of emission gasses per hour with conditions of a temperature of zero 0 degrees Celsius and a 1 standard pressure of one atmosphere unit; hereinafter the same applies in this Table and Appended Table 3-2) is 40,000 cubic meters or more	0.05 grams	0.03 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.10 grams	0.05 grams
(ii)2	Boilers listed stated in row (i)1 of Appended Table 1 of the Order, that combust only which exclusively heavy burn oil or other liquid fuel (excluding black liquor generated in connection with the manufacturing manufacture of pulp and paper; hereinafter the same applies in this Table), or that combust burn a mixture of gas and liquid fuel in mixture (the boilers mentioned above exclude those listed stated in row (v)5).	The amount of emission gasses is 200,000 cubic meters or more	0.05 grams	0.04 grams
		The amount of emission gasses is 40,000 cubic meters or more and less than 200,000 cubic meters	0.15 grams	0.05 grams
		The amount of emission gasses is 10,000 cubic meters or more and less than 40,000 cubic meters	0.25 grams	0.15 grams

		The amount of emission gasses is less than 10,000 cubic meters	0.30 grams	0.15 grams
(iii) 3	Boilers listed stated in row (i)1 of Appended Table 1 of the Order, that combust only which exclusively burn black liquor generated in connection with the manufacturing manufacture of pulp and paper, or that combust burn a mixture of gas or liquid fuel and black liquor generated in connection with the manufacturing manufacture of pulp and paper and gas or liquid fuel in mixture (the boilers mentioned above excluding exclude those listed stated in row (v)5).	The amount of emission gasses is 200,000 cubic meters or more	0.15 grams	0.10 grams
		The amount of emission gasses is 40,000 cubic meters or more and less than 200,000 cubic meters	0.25 grams	0.15 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.30 grams	0.15 grams
(iv) 4	Boilers listed stated in row (i)1 of Appended Table 1 of the Order, which burn that combust coals (the boilers mentioned above excluding exclude those listed stated in the following row)	The amount of emission gas is 200,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gas is 40,000 cubic meters or more and less than 200,000 cubic meters	0.20 grams	0.10 grams
		The amount of emission gas is less than 40,000 cubic meters	0.30 grams	0.15 grams

(v)5	Boilers listed stated in row (i)1 of Appended Table 1 of the Order, which that are attached included to in a catalyst regeneration tower listed stated in the middle column of row (viii)8 of the sameat table		0.20 grams	0.15 grams
(vi)6	Boilers statedlisted in item (i) of Appended Table 1 of the Order other than those listed stated in the preceding items	The amount of emission gas is 40,000 cubic meters or more	0.30 grams	0.15 grams
		The amount of emission gas is less than 40,000 cubic meters	0.30 grams	0.20 grams
(vii)7	Gasification furnaces listed stated in row (ii)2 of Appended Table 1 of the Order		0.05 grams	0.03 grams
(viii)8	Heating furnaces listed stated in row (ii)2 of Appended Table 1 of the Order		0.10 grams	0.03 grams
(ix)9	Roasting furnaces statedlisted in row (iii)3 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.15 grams	0.10 grams
(x)10	Sintering furnaces statedlisted in row (iii)3 of Appended Table 1 of the Order, that which are to be used for manufacturing ferro-manganese		0.20 grams	0.10 grams
(xi)11	Sintering furnaces listed stated in row (iii)3 of Appended Table 1 of the Order other than those listed stated in the preceding row		0.15 grams	0.10 grams
(xii)12	Calcining furnaces statedlisted in row (iii)3 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.20 grams	0.10 grams

		The amount of emission gasses is less than 40,000 cubic meters	0.25 grams	0.15 grams
(xiii) 13	Blast furnaces among sSmelting furnaces statedlisted in row (iv)4 of Appended Table 1 of the Order that are blast furnaces		0.05 grams	0.03 grams
(xiv) 14	Smelting furnaces listed stated in row (iv)4 of Appended Table 1 of the Order other than those listed stated in the preceding item		0.15 grams	0.08 grams
(xv) 15	Converters listed stated in row (iv)4 of Appended Table 1 of the Order		0.10 grams	0.08 grams
(xvi) 16	Open hearth furnaces listed stated in row (iv)4 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.20 grams	0.10 grams
(xvi) i)17	Melting furnaces listed stated in row (v)5 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.20 grams	0.10 grams
(xvi) ii)18	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.08 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.20 grams	0.10 grams
(xix) 19	Heating furnaces statedlisted in row (vii)7 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.15 grams	0.08 grams

(xx) 20	Catalyst regeneration towers listed stated in row (viii)8 of Appended Table 1 of the Order		0.20 grams	0.15 grams
(xxi) 21	Combustion furnaces listed stated in row (viii)8-2 of Appended Table 1 of the Order		0.10 grams	0.05 grams
(xxi) i)22	Underground furnaces among bBaking furnaces listed stated in row (ix)9 of Appended Table 1 of the Order (limited to lime baking furnaces; the same applies in the following row) that are underground furnaces		0.40 grams	0.20 grams
(xxi) ii)23	Baking furnaces listed stated in row (ix)9 of Appended Table 1 of the Order other than those listed stated in the preceding row		0.30 grams	0.15 grams
(xxi) v)24	Baking furnaces listed stated in row (ix)9 of Appended Table 1 of the Order, that which are to be used for manufacturing cement		0.10 grams	0.05 grams
(xxv) 25	Baking furnaces listed stated in row (ix)9 of Appended Table 1 of the Order, that which are to be used for manufacturing refractory brick or refractory raw material	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.20 grams	0.10 grams
(xxv) i)26	Baking furnaces listed stated in row (ix)9 of Appended Table 1 of the Order other than those listed stated in rows (xxii)22 through (xxv)25	The amount of emission gasses is 40,000 cubic meters or more	0.15 grams	0.08 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.25 grams	0.15 grams

(xxv ii)2 7	Melting furnaces listed stated in row (ix)9 of Appended Table 1 of the Order, that which are to be used for manufacturing plate glass or glass fiber product (including glass fiber)	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.15 grams	0.08 grams
(xxv iii)2 8	Melting furnaces listed stated in row (ix)9 of Appended Table 1 of the Order, that which are to be used for manufacturing optical glass, electrical glass, or frit	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.15 grams	0.08 grams
(xxi x)29	Melting furnaces listed stated in row (ix)9 of Appended Table 1 of the Order other than those listed stated in the preceding two rows	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.20 grams	0.10 grams
(xxx i)30	Reacting furnaces and direct heating furnaces listed stated in row (x)10 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.15 grams	0.08 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.20 grams	0.10 grams
(xxx i)31	Aggregate drying furnaces among dDrying furnaces listed stated in row (xi)11 of Appended Table 1 of the Order that are aggregate drying furnaces		0.50 grams	0.20 grams
(xxx ii)3 2	Drying furnaces listed stated in row (xi)11 of Appended Table 1 of the Order other than those listed stated in the preceding row	The amount of emission gasses is 40,000 cubic meters or more	0.15 grams	0.08 grams

		The amount of emission gasses is less than 40,000 cubic meters	0.20 grams	0.10 grams
(xxx iii)33	Electric furnaces listed stated in row (xii)12 of Appended Table 1 of the Order, that which are to be used for manufacturing alloy iron (limited to alloy iron that with whose silicon content rate of is 40 percent or more)		0.20 grams	0.10 grams
(xxx iv)34	Electric furnaces listed stated in row (xii)12 of Appended Table 1 of the Order, that which are to be used and for manufacturing alloy iron (excluding those electric furnaces listed stated in the preceding row) and for manufacturing carbide		0.15 grams	0.08 grams
(xxx v)35	Electric furnaces listed stated in row (xii)12 of Appended Table 1 of the Order other than those listed stated in the preceding two rows		0.10 grams	0.05 grams
(xxx vi)36	Waste incinerators listed stated in row (xiii)13 of Appended Table 1 of the Order	Incineration capacity is not less than 4,000 kilograms per hour	0.04 grams	0.04 grams
		Incineration capacity is 2,000 kilograms or more and less than 4,000 kilograms per hour	0.08 grams	0.08 grams
		Incineration capacity is less than 2,000 kilograms per hour	0.15 grams	0.15 grams
(xxxvii)37 Deleted				
(xxx viii)38	Roasting furnaces listed stated in row (xiv)14 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.15 grams	0.08 grams

(xxxix)39	Sintering furnaces listed stated in row (xiv)14 of Appended Table 1 of the Order		0.15 grams	0.10 grams
(xli)40	Blast furnaces statedlisted in row (xiv)14 of Appended Table 1 of the Order		0.15 grams	0.08 grams
(xli)41	Converters listed stated in row (xvi)14 of Appended Table 1 of the Order		0.15 grams	0.08 grams
(xlii)42	Melting furnaces listed stated in row (xiv)14 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.20 grams	0.10 grams
(xlii)43	Drying furnaces listed stated in row (xiv)14 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.15 grams	0.08 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.20 grams	0.10 grams
(xli)44	Reacting furnaces listed stated in row (xviii)18 of Appended Table 1 of the Order		0.30 grams	0.15 grams
(xlv)45	Electrolytic furnaces statedlisted in row (xx)20 of Appended Table 1 of the Order		0.05 grams	0.03 grams
(xlv)46	Baking furnaces statedlisted in row (xxi)21 of Appended Table 1 of the Order		0.15 grams	0.08 grams
(xlv)47	Melting furnaces listed stated in row (xxi)21 of Appended Table 1 of the Order		0.20 grams	0.10 grams
(xlv)48	Drying furnaces statedlisted in row (xxiii)23 of Appended Table 1 of the Order		0.10 grams	0.05 grams
(xli)49	Baking furnaces listed stated in row (xxiii)23 of Appended Table 1 of the Order		0.15 grams	0.08 grams
(150)	Melting furnaces statedlisted in row (xxiv)24 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams

		The amount of emission gasses is less than 40,000 cubic meters	0.20 grams	0.10 grams
(li)51	Melting furnaces listed stated in row (xxv)25 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.15 grams	0.08 grams
(lii)52	Melting furnaces listed stated in row (xxvi)26 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	0.10 grams	0.05 grams
		The amount of emission gasses is less than 40,000 cubic meters	0.15 grams	0.08 grams
(liii)53	Reverberating furnaces listed stated in row (xxvi)26 of Appended Table 1 of the Order		0.10 grams	0.05 grams
(liv)54	Reacting furnaces stated listed in row (xxvi)26 of Appended Table 1 of the Order (excluding those reacting furnaces to be used for manufacturing lead nitrate)		0.05 grams	0.03 grams
(lv)55	Coke ovens listed stated in row 28 (xxviii) of Appended Table 1 of the Order		0.15 grams	0.10 grams
(lvi)56	Gas turbines stated listed in row (xxix)29 of Appended Table 1 of the Order		0.05 grams	0.04 grams
(lvii)57	Diesel engines stated listed in row (xxx)30 of Appended Table 1 of the Order		0.10 grams	0.08 grams
(lviii)58	Gas engines stated listed in row (xxxi)31 of Appended Table 1 of the Order		0.05 grams	0.04 grams
(lix)59	Gasoline engines listed stated in row (xxxii)32 of Appended Table 1 of the Order		0.05 grams	0.04 grams

Remarks

1. The amount of soot and dust listed stated in the fourth column and the fifth column of this table means the amount of soot and dust is to be calculated by using the following formula (provided that, for and in units that the case of the facilities which use electricity as heat source, the boilers listed stated in row (iii)3, the roasting furnaces listed stated in rows (ix)9 and (xxxviii)38, the sintering furnaces listed stated in rows (x)10, (xi) 11 and (xxxix)39, the calcining furnaces listed stated in row (xii)12, the shaft furnaces listed stated in row (xiii)13, the blast furnaces listed stated in rows (xiv)14 and (xl)40, the converters listed stated in rows (xv)15 and (xli)41, the open-hearth furnaces listed stated in rows (xvi)16, the melting furnaces listed stated in rows (xvii)17, (xlii)42, (xlvii)47, (l)50, (li)51 and (lii)52, the aggregate drying furnaces listed stated in row (xxxi)31, direct hot air drying furnaces among the drying furnaces listed stated in rows (xxxiii)32, (xlii)43 and (xlviii)48 that are direct hot air drying furnaces, the reverberating furnaces listed stated in row (lii)53, and the reacting furnaces listed stated in row (liv) 54 which to be used for manufacturing lead oxide, the following formula is replaced with: $C=C_s$):.

$$C = ((21 - O_n) / (21 - O_s)) \cdot C_s$$

(In this formula, the symbols "C", "O_n", "O_s" and "C_s" represent the following values respectively:

C: the amount of soot and dust (unit: gram)

O_n: the amount Value listed stated in the right column of the following table according to for the facilities listed referred to in respective the rows stated in the left column of the same table.

row (lviii)58, (lix)59	0
row (ii)2, (v)5	4
row (i)1	5
row (iv)4, (vi)6, (xix)19, (xx)20, (xxx)30, (xliv)44, (liv)54	6
row (vii)7, (viii)8, (lv)55	7
row (xxi)21	8
row (xxiv)24	10
row (xviii)18	11
row (xxxvi)36	12
row (lvii)57	13
row (xxii)22, (xxxiii)23, (xxvi)26, (xxvii)27, (xxix)29, (xlv)46, (xlix)49	15
row (xxviii)28, (xxxi)31, (xxxii)32, (xliii)43, (xlviii)48, (lvi)56	16
row (xxv)25	18

O_s: the concentration rate of oxygens included in emission gases (or 20 percent, in cases where the concentration rate exceeds 20 percent, 20 percent) (unit: percent)

C_s 規格Z八八〇八に定める方法により測定されたばいじんの量 (単位 グラム)) C_s: the amount of soot and dust measured by the method prescribed in JIS Z8808 (unit: gram)

(2) The amount of soot and dust listed stated in the fourth column and the fifth column of this table does not include the amount of soot and dust discharged to be whileen igniting the fuel is ignited, arranging the fire layer is arranged to remove ashes, or and cleaning up the soot is cleaned up (limited to those to bewhen dust is discharged within a period not exceeding six minutes in total per hour).

(3) With regard toIf units the amount of soot and dust discharged from which varies remarkablyfluctuates significantly in the facilities, that amount is to be obtained by the average of the amounts of dust dispersed per process is applicableper process in those facilities.

Appended Table 3 (Related to Article 5)

(i)) 1	Cadmium and its compounds thereof	Units facilities stated listed in row (ix)9 of Appended Table 1 of the Order, which to beare used for manufacturing glass or glass products (limited to when those using cadmium sulfides or cadmium carbonates are used as raw material in that manufacture), and units facilities listed stated in rows (xiv)14 and (xv)15	1.0 milligram
(i i) 2	Chlorine	facilitiesUnits listed stated in rows (xvi)16 through (xix)19 of Appended Table 1 of the Order	30 milligrams
(i ii) 3	Hydrogen chloride	Waste incinerators listed stated in row 1(xiii)3 of Appended Table 1 of the Order	700 milligrams
		Units Facilities listed stated in rows (xvi)16 through (xix)19 of Appended Table 1 of the Order	80 milligrams

(i) v) 4	Fluorine, hydrogen fluoride and silicon fluoride	Units Facilities listed stated in row (ix)9 of Appended Table 1 of the Order, which are to be used for manufacturing glass or glass products (limited to those usingwhen fluorite or sodium fluorosilicate is used as raw material in that manufacture), reacting units listedfacilities in row 21 (excluding those to be used for manufacturing superphosphate of lime or double superphosphate of lime), concentration units facilities and melting furnaces (excluding those to be used for manufacturing phosphate fertilizer) as stated in row (xxi), and units facilities listed stated in rows (xxii)22 and (xiii) 23.	10 milligrams
		Electrolytic furnaces listed stated in row (xx)20 of Appended Table 1 of the Order	1.0 (3.0) milligrams
		Electric furnaces among rReacting units facilities listed in row 21 of Appended Table 1 of the Order (limited to those to be used for manufacturing superphosphate of lime or double superphosphate of lime), and or melting furnaces, as listed in row 21 of Appended Table 1 of the Orderthat are electric furnaces (the electric furnaces mentioned above are limited to those to be used for manufacturing phosphate fertilizer)	15 milligrams

		Open-hearth furnaces among bBaking furnaces and or melting furnaces listed inas stated in row (xxi)21 of Appended Table 1 of the Order that are open-hearth furnaces (the open-hearth furnaces mentioned above are limited to those to be used for manufacturing phosphate fertilizer)	20 milligrams
(v) 5	Lead and its compounds thereof	Units listedFacilities stated in row (ix)9 of Appended Table 1 of the Order, which are to be used for manufacturing glass or glass products (limited to those usingwhen lead oxide is used as raw material in that manufacture)	20 milligrams
		Roasting furnaces, converters, melting furnaces, and drying furnaces statedlisted in row 14 of Appended Table 1, and units listedfacilities stated in rows (xxiv)24 and (xxvi)26	10 milligrams
		Sintering furnaces and blast furnaces listed stated in row (xiv)14 of Appended Table 1 of the Order	30 milligrams

Remarks

1. The amount of hazardous substances listed stated in the fourth column of this table (excluding those amount of hazardous substances listed stated in the Remarks 2) is represented the following amounts, and does not include the amount of hazardous substances necessarily discharged when soot is cleaned up or in other cases (limited to those to be discharged within a period not exceeding six minutes in total per hour): the amounts stated in rows (i) and (v) represent as: the amounts collected by the method prescribed in JIS Z8808 and measured as cadmium or lead by the method prescribed in JIS K0083 ; the amount stated in row (ii) represents for those listed in rows 1 and 5, the amount measured by the method prescribed in JIS K0106; for those listed in row 2, the amount stated in row (iii) represents the amount measured by the method prescribed in JIS K0107; and for those listed in row 3, or the amount stated in row (iv) represents the amount measured as fluorine by the method prescribed in JIS K0105 for those listed in row 4, respectively; and does not include the amount of hazardous substances necessarily discharged in the case of cleaning up of soot, etc (limited to those to be discharged within a period not exceeding six minutes in total per hour).

2. The amount of hydrogen chloride listed stated in the fourth column of row 3 of this table (limited to that pertaining to for waste incinerators listed stated in row (xiii)13 of Appended Table 1 of the Order) represents the amount of hydrogen chloride to be calculated by using the following formula:

$$C = (9 / (21 - O_s)) \cdot C_s$$

(この式において、C、O_s及びC_sは、それぞれ次の値を表すものとする。(In this formula, the symbols "C", "O_s" and "C_s" represent the following values respectively:

C 塩化水素の量 (単位 ミリグラム) C: the amount of hydrogen chloride (unit: milligram)

O_s: the concentration rate of oxygen included in emission gases (unit: percent)

C_s: the amount of hydrogen chloride measured by the method specified in the JIS K0107, calculated as the concentration included in per for each cubic meter of emission gases calculated as if when measured under the conditions with a temperature of zero degrees Celsius and a pressure of one standard atmosphere unit, which is converted from the concentration rate of the hydrogen chloride which is measured by the method specified in the JIS K0107 (unit: milligram)

3. Figures in parentheses shown in the fourth column represent the amount of hazardous substances measured at the outlets in cases where the hazardous substances are directly absorbed from electrolytic furnaces and discharged from the outlets through ducts.

4. With regard to units If the amount of hazardous substances fluctuates significantly in the facilities, is discharged from which varies remarkably, that amount is to be obtained by the average of the amounts of hazardous substances dispersed per process in those facilities is applicable.

Appended Table 3-2 (Related to Article 5)

(i)1	Boilers statedlisted in row (i)1 of Appended Table 1 of the Order, that combustwhich burn gas	The amount of emission gasses is 500,000 cubic meters or more	60 cubic centimeters
		The amount of emission gasses is 40,000 cubic meters or more and less than 500,000 cubic meters	100 cubic centimeters
		The amount of emission gasses is 10,000 cubic meters or more and less than 40,000 cubic meters	130 cubic centimeters
		The amount of emission gasses is less than 10,000 cubic meters	150 cubic centimeters
(ii)2	Boilers listed stated in row (i)1 of Appended Table 1 of the Order, that combustwhich burn solid fuel (excluding those boilers listed stated in the following row)	The amount of emission gasses is 700,000 cubic meters or more	200 cubic centimeters
		The amount of emission gasses is 40,000 cubic meters or more and less than 700,000 cubic meters	250 cubic centimeters
		The amount of emission gasses is less than 40,000 cubic meters	300 cubic centimeters
(ii)2-2	Boilers listed stated in row (i)1 of Appended Table 1 of the Order, which burn solid fuel withhose a heat transmission area is of less than 10 square meters and that combust solid fuel		350 cubic centimeters

(ii)2 -3	Boilers listed stated in row (i)1 of Appended Table 1 of the Order, whose heat transmission area is less than 10 square meters and that which combust burn liquid fuel with a heat transmission area of less than 10 square meters (the boilers mentioned above excluding those listed stated in the preceding row)		260 cubic centimeters
(iii) 3	Boilers stated listed in row (i)1 of Appended Table 1 of the Order other than those listed stated in the preceding rows	The amount of emission gasses is 500,000 cubic meters or more	130 cubic centimeters
		The amount of emission gasses is 10,000 cubic meters or more and less than 500,000 cubic meters	150 cubic centimeters
		The amount of emission gasses is less than 10,000 cubic meters	180 cubic centimeters
(iv) 4	Units listed Facilities stated in row (ii)2 of Appended Table 1 of the Order		150 cubic centimeters
(v)5	Roasting furnaces listed stated in row (iii)3 of Appended Table 1 of the Order		220 cubic centimeters
(vi) 6	Sintering furnaces listed stated in row (iii)3 of Appended Table 1 of the Order		220 cubic centimeters
(vii) 7	Calcining furnaces listed stated in row (iii)3 of Appended Table 1 of the Order		200 cubic centimeters
(viii) 8	Blast furnaces listed stated in row (iv)4 of Appended Table 1 of the Order		100 cubic centimeters

(ix) 9	Melting furnaces listed stated in row (v)5 of Appended Table 1 of the Order (excluding cupolas)		180 cubic centimeters
(x)1 0	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Order, that which are of radiant tube-type (the heating furnaces mentioned above are limited to those whose with an amount of emission gas amount is of 10,000 cubic meters or more and less than 100,000 cubic meters)		150 cubic centimeters
(xi) 11	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Order, which that are those used for forged steel pipe (the heating furnaces mentioned above are limited to those whose amount ofwith an emission gas amount ofis 10,000 cubic meters or more and less than 100,000 cubic meters)		180 cubic centimeters
(xii) 12	Heating furnaces listed stated in row (vi)6 of Appended Table 1 of the Order other than those listed stated in the preceding two rows	The amount of emission gasses is 100,000 cubic meters or more	100 cubic centimeters
		The amount of emission gasses is 10,000 cubic meters or more and less than 100,000 cubic meters	130 cubic centimeters
		The amount of emission gasses is 5,000 cubic meters or more and less than 10,000 cubic meters	150 cubic centimeters
		The amount of emission gasses is less than 5,000 cubic meters	180 cubic centimeters

(xiii) 13	Heating furnaces listed stated in row (vii)7 of Appended Table 1 of the Order	The amount of emission gasses is 40,000 cubic meters or more	100 cubic centimeters
		The amount of emission gasses is 10,000 cubic meters or more and less than 40,000 cubic meters	130 cubic centimeters
		The amount of emission gasses is 5,000 cubic meters or more and less than 10,000 cubic meters	150 cubic centimeters
		The amount of emission gasses is less than 5,000 cubic meters	180 cubic centimeters
(xiv) 14	Catalyst regeneration towers stated listed in row (viii)8 of Appended Table 1 of the Order		250 cubic centimeters
15(xv)	Combustion furnaces listed stated in row (viii)8-2 of Appended Table 1 of the Order		250 cubic centimeters
(xvi) 16	Lime baking furnaces among bBaking furnaces listed stated in row (ix)9 of Appended Table 1 of the Order that are lime baking furnaces (the lime baking furnaces mentioned above are limited to rotary kilns that which combust gas)		250 cubic centimeters
(xvi) i)17	Baking furnaces listed stated in row (ix)9 of Appended Table 1 of the Order, that which are to be used for manufacturing cement	The amount of emission gasses is 100,000 cubic meters or more	250 cubic centimeters
		The amount of emission gasses is less than 100,000 cubic meters	350 cubic centimeters
(xvi) ii)18	Baking furnaces listed stated in row (ix)9 of Appended Table 1 of the Order, that which are to be used for manufacturing refractory brick or refractory raw material		400 cubic centimeters

(xix) 19	Melting furnaces listed stated in row (ix)9 of Appended Table 1 of the Order, that which are to be used for manufacturing plate glass or glass fiber product (including glass fiber)		360 cubic centimeters
(xx) 20	Melting furnaces listed stated in row (ix)9 of Appended Table 1 of the Order, that which are to be used for manufacturing optical glass, electrical glass or frit		800 cubic centimeters
(xxi) 21	Melting furnaces listed stated in row (ix)9 of Appended Table 1 of the Order (limited to those to be used for manufacturing glass) other than those melting furnaces listed stated in the preceding two rows		450 cubic centimeters
(xxi) i)22	Facilities listed stated in row (ix)9 of Appended Table 1 of the Order other than those facilities listed stated in rows (xvi)16 through (xxi)21		180 cubic centimeters
(xxi) ii)23	Facilities stated listed in row 10 (x) of Appended Table 1 of the Order		180 cubic centimeters
(xxi) v)24	Drying furnaces stated listed in row (xi)11 of Appended Table 1 of the Order		230 cubic centimeters
(xxv) 25	Waste incinerators listed stated in row 13 (xiii) of Appended Table 1 of the Order, that which incinerates wastes by the cyclonic system (limited to continuous furnaces)		450 cubic centimeters

(xxv i)26	Waste incinerators stated listed in row (xiii)13 of Appended Table 1 of the Order, that which incinerates wastes discharged from the process where nitro compounds, amino compounds or cyano compounds, or their derivatives thereof are produced or used, or from the process where effluent is processed by using ammonia (limited to continuous furnaces whose amount ofwith an emission gas is amount of less than 40,000 cubic meters)		700 cubic centimeters
(xxv ii)27	Waste incinerators listed stated in row 13 of Appended Table 1 of the Order other than those listed stated in the preceding two rows (with regard to those other than continuous furnaces, the waste incinerators mentioned above are limited to those with whose amount ofan emission gas is amount of more than 40,000 cubic meters)		250 cubic centimeters
(xxv iii)28	Roasting furnaces statedlisted in row (xiv)14 of Appended Table 1 of the Order		220 cubic centimeters
(xxi x)29	Sintering furnaces statedlisted in row (xiv)14 of Appended Table 1 of the Order		220 cubic centimeters

(xxx) 30	Slag processing furnaces used for refining zinc among bBlast furnaces statedlisted in row (xiv)14 of Appended Table 1 of the Order that are slag processing furnaces to be used for refining zinc (the slag processing furnaces mentioned above are limited to those using coals or cokes as fuel and reducing agent)		450 cubic centimeters
(xxx i)31	Blast furnaces listed stated in row (xiv)14 of Appended Table 1 of the Order other than those listed stated in the preceding row		100 cubic centimeters
(xxx ii)3 2	Refining furnaces used for refining copper among mMelting furnaces stated listed in row 14 (xiv) of Appended Table 1 of the Order that are refining furnaces to be used for refining copper (the refining furnaces mentioned above are limited to those using ammonia as a reducing agent)		330 cubic centimeters
(xxx iii)3 3	Melting furnaces listed stated in row (xiv)14 of Appended Table 1 of the Order other than those listed stated in the preceding row		180 cubic centimeters
(xxx iv)3 4	Drying furnaces statedlisted in row (xiv)14 of Appended Table 1 of the Order		180 cubic centimeters
(xxx v)3 5	Reacting furnaces stated listed in row (xviii)18 of Appended Table 1 of the Order		180 cubic centimeters
(xxx vi)3 6	Baking furnaces statedlisted in row (xxi)21 of Appended Table 1 of the Order		180 cubic centimeters

(xxx vii) 37	Melting furnaces statedlisted in row (xxi)21 of Appended Table 1 of the Order		600 cubic centimeters
(xxx viii) 38	Drying furnaces statedlisted in row (xxiii) 23 of Appended Table 1 of the Order		180 cubic centimeters
(xxx ix)3 9	Baking furnaces statedlisted in row (xxiii)23 of Appended Table 1 of the Order		180 cubic centimeters
40(xl)	Melting furnaces statedlisted in row (xxiv)24 of Appended Table 1 of the Order		180 cubic centimeters
41(xli)	Melting furnaces statedlisted in row (xxv)25 of Appended Table 1 of the Order		180 cubic centimeters
(xlii)42	Melting furnaces statedlisted in row (xxvi)26 of Appended Table 1 of the Order		180 cubic centimeters
(xlii i)43	Reverberating furnaces statedlisted in row (xxvi) 26 of Appended Table 1 of the Order		180 cubic centimeters
(xli v)4 4	Reacting furnaces stated listed in row (xxvi)26 of Appended Table 1 of the Order		180 cubic centimeters
(xlv)45	Facilities statedlisted in row (xxvii)27 of Appended Table 1 of the Order		200 cubic centimeters
(xlv i)46	Coke ovens statedlisted in row (xxviii)28 of Appended Table 1 of the Order		170 cubic centimeters
(xlv ii)4 7	Gas turbines statedlisted in row (xxix)29 of Appended Table 1 of the Order		70 cubic centimeters
(xlv iii)4 8	Diesel engines statedlisted in row (xxx)30 of Appended Table 1 of the Order		950 cubic centimeters

(xli) x)4 9	Gas engines stated listed in row (xxxi)31 of Appended Table 1 of the Order		600 cubic centimeters
50(l))	Gasoline engines stated listed in row (xxxii)32 of Appended Table 1 of the Order		600 cubic centimeters

Remarks

The amount of nitrogen oxides listed stated in the fourth column of this table is to be is deemed to be the amount of nitrogen oxides calculated by the following formulas: the formula listed stated in item (i) below for the units listed facilities stated in rows (xix)19 through (xxi)21 that which combust burn by using only oxygen; the formula listed stated in item (ii) below for the melting furnaces stated listed in row (xlii)42 to be which are used for manufacturing lead oxide, reacting furnaces listed stated in row (xliv)44 to be which are used for manufacturing lead oxide or lead nitrate, and or units listed the facilities stated in row (xlv)45; or the formula listed stated in item (iii) below for other units facilities. In this; provided, however, that calculation, for units if the amount of nitrogen oxides discharged from which varies remarkably fluctuate significantly in the facilities, that amount is to be obtained by the average of the amounts of nitrogen oxides generated per process in those facilities is applicable.

(i) $C = ((21 \cdot O_n) / (21 \cdot O_s)) \cdot C_s \cdot (1/4)$

(ii) $C = C_s$

(iii) $C = ((21 \cdot O_n) / (21 \cdot O_s)) \cdot C_s$

(In this formula, the symbols "C", "O_n", "O_s" and "C_s" represent the following values respectively:

C: the aAmount of nitrogen oxides (unit: cubic centimeter)

O_n: the vValue listed stated in the right column of the following table according to for the facilities units listed referred to in respective the rows stated in the left column of the same at table.

row (xlix)49, (l)50	0
row (ii)2-3, (ii)3	4
row (i)1	5
row (ii)2, (ii)2-2, (xiii)13, (xiv)14, (xxiii)23, (xxxv)35, (xliv)44	6
row (iv)4, (xlv)46	7
row (xv)15	8
row (vii)7, (xvii)17	10
row (x)10, (xi)11, (xii)12	11
row (ix)9, (xxv)25, (xxvi)26, (xxvii)27, (xxxii)32, (xxxiii)33, (xl)40, (xli)41, (xlii)42	12
row (xlviii)48	13
row (v)5, (xxviii)28	14

row (vi)6, (viii)8, (xvi)16, (xix)19, (xxi)21, (xxii)22, (xxix)29, (xxx)30, (xxxi)31, (xxxvi)36, (xxxvii)37, (xxxix)39, (xl)43	15
row (xx)20, (xxiv)24, (xxxiv)34, (xxxviii)38, (xlvii)47	16
row (xviii)18	18

Os: the concentration rate of oxygen included in emission gases (or 20 percent, in cases where the concentration rate exceeds 20 percent, 20 percent) (unit: percent)

Cs: Concentration the amount of nitrogen oxides measured by the method specified in the JIS K0104, calculated as the concentration included per for each cubic meter of emission gases calculated as if measured under the conditions of with a temperature of zero degrees Celsius and a pressure of one standard atmosphere unit, which is converted from the concentration rate of nitrogen oxides which is measured by the method specified in the JIS K0104 (unit: cubic centimeter)

Appended Table 3-3 (Related to Article 5-2 and Article 16-17)

(i)	Of the boilers listed stated in row (i)1 of Appended Table 1 of the Order, the ones that which combust burn coal and their whose with a burner fuel combustion burning capacity is of less than 100,000 liter per /hour on a heavy oil conversion basis (the boilers mentioned above exclude excluding those which exclusively combust only burn coal)	10 micrograms
(ii)	Of the boilers listed stated in row (i)1 of Appended Table 1 of the Order, the ones that are not combust which burn coal other than the boilers so listed stated in the preceding rows	8 micrograms

(ii) i)	Of tThe facilities Units listed stated in rows (iii)3 through (v)5 of Appended Table 1 of the Order and or of the facilities units listedstated in row (xiv)14) of the sameat table, that which are facilities units to be used for primary refining and that are to be used for refiningregarding copper or gold (the facilities mentioned above excludeexcluding melting furnaces using only crude copper, crude silver or crude gold as raw material)	15 micrograms
(iv))	TOf the facilities Units listed stated in rows (iii)3 through (v)5 of Appended Table 1 of the Order and or of the facilities units listed stated in row (xiv)14 of thate same table, that which are facilities units to be used for primary refining and that are to be used for refiningregarding lead or zinc (the facilities mentioned above excludeexcluding melting furnaces using only crude lead or distilled zinc as raw material)	30 micrograms

(v)	The fFacilities Units listed stated in rows (iii)3 through (v)5 of Appended Table 1 of the Order and or the facilities units listed stated in row (xiv)14 of the sameat table, which that are facilities units to be used for secondary refining and that are to be used for refiningregarding copper, lead or zinc; the melting furnaces listed stated in row (xxiv)24 of the sameat table, which to beare used for secondary refining of regarding lead (that secondary refining excludeing manufactureing of lead alloy); and the facilities units listed stated in row (iii)3 of Appended Table 1 of the Order for Enforcement of the Act on Special Measures Concerning Dioxins (Cabinet Order No. 433 of 1999) (excluding melting furnaces using only crude copper, crude lead or distilled zinc as raw material)	100 micrograms
(vi))	The fFacilities Units listed stated in rows (iii)3 through (v)5 of Appended Table 1 of the Order, which that are facilities units to be used for secondary refining and that are to be used for refiningregarding gold (the facilities mentioned above excludeexcluding melting furnaces using only crude silver or crude gold as raw material)	30 micrograms
(vi i)	The bBaking furnaces listed stated in row (ix)9 of Appended Table 1 of the Order, which that are to be used for manufacturing cement	50 microgram

(vi) ii)	The waste incinerators listed stated in row (xiii)13 of Appended Table 1 of the Cabinet Order, waste processing facilities units prescribed in Article 8, paragraph (1) of the Waste Disposal Management and Public Cleansing Act (Act No. 137 of 1970) (limited to incineration facilities units), or facilities units listed stated in Article 7, item (iii), item (v), item (viii), item (x), item (xi-2)-2, item (xii), or item (xiii-2) of the Order for Enforcement of the Waste Management and Public Cleansing Act (Cabinet Order No. 300 of 1971; hereinafter referred to as the "Order Enforcement of the Waste Disposal Management Act" below), that have if a their fire grate area of is 2 square meters or more, or have at their incineration capacity of is 200 kilograms or more per hour (excluding the cases of disposal of only industrial waste by waste oil incineration facilities units listed stated in Article 7, item (v) of the Order Enforcement of the Waste Disposal Management Act, which that are those handling handle waste oil other than that produced in refining processes using crude oil as a raw material, if the industrial wastes are processed mainly within those facilities, and also excluding those facilities listed stated in the following row)	30 micrograms
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(ix))	Facilities Units to be used for recovering mercury from the industrial waste from which mercury is to be recovered pursuant to the provisions of Article 6, paragraph (1), item (ii), (e)(2) or Article 6-5, item (ii), (h) of the Order for Enforcement of the Waste Disposal Act, or recovering mercury from the mercury-containing recyclable resources specified in Article 2, paragraph (2) of the Act on Prevention Preventing Environment of Pollution by Mercury of Environment (Act No.42 of 2015) (the facilities mentioned above are limited to facilities units that includethose in which a heating process takes place at the time ofwhile recovering mercury)	50 micrograms
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Remarks

The " fFacilities Units to be used for primary refining" means the facilities units listedstated in rows (iii)3 through (v)5 of Appended Table 1 of the Order and or facilities listed stated in row (xiv)14 of the same at table, that which refine copper, lead or zinc by using raw materials whose ratio by weight ofwith a mineral sulfide content rate is of 50 percent or more by weight, or by using materials consisting made up of that those raw materials, or that which refine gold by using raw materials with a mineral sulfide content rate ofwhose ratio by weight of concentrate is 50 percent or more by weight, or by using materials consisting made up of that those raw materials.

The " fFacilities Units to be used for secondary refining" means the facilities stated units other than those listed in rows (iii)3 through (v)5 of Appended Table 1 of the Order and or facilities units listedstated in row 14 (xiv) of the sameat table, other thanat are to be those used for primary refining.

3. The amount of mercury or mercury its compounds listed stated in the right column of this table is deemed to be the amount of mercury or mercury compound calculated by using: the formula listed stated in item (i) below for the facilities units that using electricity as heat source and the facilities units listed stated in rows (iii)3 through (vi)6, and; or is to be calculated by using the formula listed stated in item (ii) below for the other facilities units:.

(i) $C = C_s$

(ii) $C = (21 \cdot O_n) / (21 \cdot O_s) \cdot C_s$

In this formula, the symbols "C", "O_n", "O_s" and "C_s" represent the following values respectively:

C: the aAmount of mercury or mercury its compounds (unit: microgram)

O_n: the vValues listed stated in the right column of the following table according tofor the units facilities listed referred to in respective the rows stated in the left column of the sameat table.

row (i) 1, (ii) 2	6
row (vi) i)7	10
row (vi) ii) 8, (ix) 9	12

Os: the concentration rate of oxygens included in emission gasses (or 20 percent, in cases where the concentration rate exceeds 20 percent, 20 percent) (units: percent)

Cs: The amount of mercury included for each cubic meter of emission gasses when measured by the method prescribed by the Minister of the Environment calculated as if measured under the conditions with a temperature of zero 0 degrees Celsius and 1 a pressure of one standard atmosphere unit, which is converted for the concentration rate of mercury which is measured by the method prescribed by the Minister of the Environment (unit: microgram)

4. With regard to facilities units If the amount of mercury or its mercury compounds fluctuates significantly in the facilities, that amount is to be obtained by recovered by which varies remarkably, the average amounts of the amount of mercury or its compounds generated per process is applicable in those facilities.

Appended Table 4 (Related to Article 7)

(i) The areas stated in item (xxii)22 of Appended Table 3 of the Order
(ii) The areas listed in item (xxvii)27 of Appended Table 3 of the Order
(iii) The areas listed in item 29 (xxix) of Appended Table 3 of the Order
(iv) The areas listed in item (xxxiii)33 of Appended Table 3 of the Order
(v) The areas listed in item (xxxv)35 of Appended Table 3 of the Order
(vi) The areas listed in item (xxxviii) 38 of Appended Table 3 of the Order

(vii) The aAreas of Shimizu City-shi (excluding Ohira, Kochi, Nishizato, Tozurasawa, Do, Nunozawa, Takayama, Shigenoshima, Wadashima, Kiyoji, Nakagochi, Shishihara, Kogochi, Yoshiwara, Isabu, Sugiyama, Mobata and Hirose) within the areas listed stated in item (xlvii)47 of Appended Table 3 of the Order
(viii) The aAreas of Fuji City-shi (excluding Imamiya, Ishii, Makado, Unaigafuchi, Kazaki; Sekisobina, Imori, Fuchikiri, Shugaku, Tsurushibashimo, Yokomichishimo, Marukato and areas without address within Obuchi; and Nakashibaone, Togariishi, Gonoone, Komakizoe, Nakaone, Sokoya, Gozaishi, Shogatsuzaka, Makinashi, Toishi, Naruya, Okadoba, Ippaimizu, Komugiishi, Kanayama, Norikoshiyama, Sawayama, Osawa, Kayaone, Ondashione, Hatogashira, Hatoone, Yokowatari, Shoninyama, Ohira, Ishione, Yokote, Asemidaira, Komochiishi, Wataboshi, Inohira, Ichinosawa, Azumano, Ohora, Terao, Nakao and Sannosawa within Enoo) within the areas listed stated in item (xlviii)48 of Appended Table 3 of the Order
(ix) The aAreas listed stated in item (xlix)49 of Appended Table 3 of the Order
(x) The aAreas listed stated in item (lii)53 of Appended Table 3 of the Order
(xi) The aAreas of Yokkaichi City-shi (excluding Kibayashicho, Takahanadaira 1-chome to 5-chome, Unemecho, Ogosohigashi 3-chome 7-ban, Kaigecho, Kitakomatsucho, Minamikomatsucho, Yamadacho, Nishiyamacho, Oyamacho, Uchiyamacho, Rokumyocho, Dogayamacho, Misatocho, Shikamacho, Wandacho, Kawashimacho, Komocho, Sugaharacho, Teragatacho, Takatsunochi, Soicho, Sakuracho, Chishakucho, Nishisakabecho, Yamanoishikicho, Akozucho, Kamiebicho, Shimoebicho, Hiraocho, Emuracho, Kitanocho, Kurodacho, Kayocho, Nakamuracho, Heizucho, Chiyodacho, Isakacho, Yamamuracho, Hironagacho, Asakecho, Yamajocho, Satsubacho, Kitayamacho, Nishioganecho, Oganecho, Asakegaoka 1-chome to 3-chome, Yachiyodai 1-chome and 2-chome, Suizawacho, Suizawanodacho, Nakanochi, Komakicho, Ichibacho and Nishimuracho), Mie-gun Kusucho in Mie County, Mie-gun Asahicho in Mie County, and Mie-gun Kawagoecho in Mie county, within the areas listed stated in item (liv)54 of Appended Table 3 of the Order
(xii) The aAreas listed stated in item (lvi)56 of Appended Table 3 of the Order
(xiii) The aAreas listed stated in item (lviii)58 of Appended Table 3 of the Order
(xiv) The aAreas listed stated in item (lix)59 of Appended Table 3 of the Order
(xv) The aAreas of Kobe City-shi (excluding Kita Ward-ku and Tarumi Ward-ku), Amagasaki -shiCity, Nishinomiya City-shi, Ashiya City-shi, Itami City-shi, Takarazuka City-shi (excluding Kamisasori, Kobakoshinden, Shimosasori, Nagatani, Shibatsujishinden, Oharano, Hazu, Sakaino and Tamase), and Kawanishi City-shi (excluding Mino, Higashiuneno, Nishiuneno, Yamahara, Yamashita, Sasabe, Gezai, Hitokura, Kunisaki, kurokawa and Yokoji) within the areas listed stated in item (lx)60 of Appended Table 3 of the Order
(xvi) The aAreas listed stated in item (lxi)61 of Appended Table 3 of the Order
(xvii) The aAreas listed stated in item (lxiv)64 of Appended Table 3 of the Order
(xviii) The aAreas listed stated in item (lxvi)66 of Appended Table 3 of the Order

(xix) The aAreas listed stated in item (lxxiv)74 of Appended Table 3 of the Order
(xx) The aAreas listed stated in item (lxxv)75 of Appended Table 3 of the Order
(xxi) The aAreas listed stated in item (lxxvii)77 of Appended Table 3 of the Order
(xxii) The aAreas listed stated in item (lxxviii) 78 of Appended Table 3 of the Order
(xxiii) The aAreas listed stated in item (lxxx)80 of Appended Table 3 of the Order
(xxiv) The aAreas listed stated in item (lxxxiii)83 of Appended Table 3 of the Order
(xxv) The aAreas listed stated in item (lxxxv)85 of Appended Table 3 of the Order
(xxvi) The aAreas listed stated in item (lxxxviii)88 of Appended Table 3 of the Order
(xxvii) The aAreas listed stated in item (xc)90 of Appended Table 3 of the Order
(xxviii) The aAreas listed stated in item (xcvi)96 of Appended Table 3 of the Order
Remarks: The areas listed stated in this table are based on administrative districts and other districts areas as of February 1, 1974.

Appended Table 5 (Related to Article 7)

(i) The aAreas of special wards within the areas listed stated in item (iv)4 of Appended Table 4 of the Order
(ii) The aAreas listed stated in item (v)5 of Appended Table 4 of the Order
(iii) The aAreas listed stated in item (ix)9 of Appended Table 4 of the Order
(iv) The aAreas listed stated in item (xi)11 of Appended Table 4 of the Order
(v) The aAreas listed stated in item 13 (xiii) of Appended Table 4 of the Order
(vi) The aAreas of Amagasaki City-shi within areas listed stated in item (xv)15 of Appended Table 4 of the Order
(vii) The aAreas listed stated in item 18 (xviii) of Appended Table 4 of the Order
(viii) The aAreas of Kitakyushu City-shi within the areas listed stated in item (xxvi)26 of Appended Table 4 of the Order
(ix) The aAreas listed stated in item 27 (xxvii) of Appended Table 4 of the Order
Remarks: The areas listed stated in this table are based on administrative districts as of February 1, 1974.

Appended Table 5-2 (Related to Article 15-2)

(i)	The dDrying units facilities listed stated in row (i)1 of Appended Table 1-2 of the Order	600 cubic centimeters
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(ii))	The pPainting units facilities listed stated in row (ii)2 of Appended Table 1-2 of the Order, to bewhich are used for manufacturing motor vehicles (meaning the motor vehicles prescribed as defined in Article 2, paragraph (2) of the Road Trucking Vehicle Act (Act No. 185 of 1951))	400 cubic centimeters
(ii i)	The pPainting facilities statedunits listed in row (ii)2 of Appended Table 1-2 of the Order, other than those listed stated in the preceding row	700 cubic centimeters
(i v)	The dDrying units facilities listed stated in row (iii)3 of Appended Table 1-2 of the Order, which to beare used for manufacturing lumber or wooden products (including wooden furniture)	1,000 cubic centimeters
(v)	The dDrying facilities statedunits listed in row (iii)3 of Appended Table 1-2 of the Order, other than those listed stated in the preceding row	600 cubic centimeters
(v i)	The dDrying facilities statedunits listed in row (iv)4 of Appended Table 1-2 of the Order	1,400 cubic centimeters
(v ii)	The dDrying facilities statedunits listed in row (v)5 of Appended Table 1-2 of the Order	1,400 cubic centimeters
(v iii)	The dDrying facilities statedunits listed in row (vi)6 of Appended Table 1-2 of the Order	400 cubic centimeters
(i x)	The dDrying facilities statedunits listed in row (vii)7 of Appended Table 1-2 of the Order	700 cubic centimeters
(x)	The cCleaning facilities stated units listed in row (viii)8 of Appended Table 1-2 of the Order	400 cubic centimeters
(x i)	The sStorage tanks statedlisted in row (ix)9 of Appended Table 1-2 of the Order	60,000 cubic centimeters

Appended Table 6 (Related to Article 16)

(i)	The facilities listed stated in row (i)1 of Appended Table 2 of the Order	(i) The coal-charging operation is to be performed by after installing smokeless coal-charging equipment is installed, or installing after a hood and a dust collector is installed on to the coal-charging vehicle, or by after installing any equipment having an effect equal to or greater than that which is installed. (ii) The operation of removing baked products are to be removed from a kiln is performed by after installing on the guide vehicle a hood and a dust collector for processing ordinary particulates collected from the hood are installed on the guide vehicle, or by installing after any equipment having an effect equal to or greater than that which is installed; provided, however, that if it is extremely difficult to install the relevant hood on the guide vehicle due to the lack of strength in the guide vehicle or the furnace floor on which the guide vehicle runs, due to the insufficiency of width of the rail for the guide vehicle, or due to other grounds the like, that operation is to be performed by after installing a dustproof cover or the like other equivalent equipment is installed. (iii) The fire extinction operation is to be performed by after installing on the fire extinction tower a hurdle, a filter or any equipment having an effect equal to or greater than that is installed on the fire extinction tower.
(ii)	The facilities listed stated in row (ii)2 of Appended Table 2 of the Order	If any minerals or soils and stones which may could cause the dispersal of scatter the ordinary particulates are to be accumulated in the unit facilities, the facilities are to fall under any of the following measures are taken:

		(i) the facilityunit is installed in a building of with a structure that which prevents the ordinary particulates from scatteringbeing dispersed; (ii) water is being sprinkled with sprinkling equipment; (iii) the facilityunit is covered by a dustproof cover; (iv) chemical liquid is being sprayed or surface layer compaction is being carried out; or (v) any measures having the an effect equal to or same or better efficiencygreater than with those stated listed in the preceding items are shall be taken.
(ii i)	The fFacilities listed stated in row (iii)3 of Appended Table 2 of the Order	If any minerals, soils and stones, or cements which could cause the dispersal of the may scatter ordinary particulates are to be conveyed in the unitfacilities, the facilities are to fall under any of the following measures are taken: (i) the unit facility is installed in a building of with a structure that which prevents the ordinary particulates from being scatteringdispersed; (ii) a hood and a dust collector are installed at both the loading part and the unloading parts of the conveyor, and any measures listed stated in the item (iii) or (iv) are taken at the part of the conveyor which could cause the dispersal of themay be scattered with ordinary particulates, other than the loading part and theor unloading part thereof; (iii) water is being sprinkled with sprinkling equipment; (iv) the facilityunit is covered by a dustproof cover; (v) any measures having an effect equal to or greater thanthe same or better efficiency with those listed stated in the preceding items are taken.

(i) (v)	The facilities stated listed in rows (iv)4 and (v)5 of Appended Table 2 of the Order	The facilities are to fall under aAny of the following measures are taken:
		(i) the facilityunit is installed in a building withof a structure whichthat prevents the ordinary particulates from being dispersedscattering;
		(ii) a hood and a dust collector are installed;
		(iii) water is being sprinkled with sprinkling equipment;
		(iv) the unit facility is covered by a dustproof cover;
		(v) any measures having an effect equal to or greater thanthe same or better efficiency with those statedlisted in the preceding items are taken.

Appended Table 7 (Related to Article 16-4)

(i)	Among the taskwork listed stated in Article 3-4, item (i) of the Order, work tasks forto removinge spray-applied asbestos or asbestos-containing insulation materials, etc. (excluding the tasksat listed stated in the following row or in row (v))	Removinge specified building materials being used in a building or other structure, etc. subject to to be constructed with specified particulates discharging workthe task in compliance with the following requirements, or takinge any measures having an effect equal to or greater the same or better efficiency than that thatremoval:
		(a) isolatinge the place where the work removing specified building materials are is to be performed removed (hereinafter referred to as the "work area") from other places, and. installing aA front chamber must be installed at the entrance of the work area when isolating the place.
		(b) keeping the work area and the front chamber in negative pressure, and usinge a dust collector/exhauster with a HEPA filter prescribed in Japanese Industrial Standard (JIS) Z8122 for exhaust ventilation of the work area and the front chamber;

		(c) confirming that the dust collector/exhauster to be used works well at the place of use, bBefore starting to the removal e the specified building materials work on the day on which initially initiating that removal is initially initiated of specified building materials at the work area isolated pursuant to the provisions of (a) above, confirm that the dust collector/exhauster to be used works in order at the place of use, and if any abnormality is found, taking necessary measures, including , but not limited to, repair of the dust collector/exhauster, if something is found to be wrong with that dust collector/exhauster;
		(d) confirming that the work area and the front chamber are kept in negative pressure, bBefore starting to and when suspending the remove the specified building materials al work on the day on which performing the that removal is initially initiated and when suspending that removal of specified building materials, confirm that the work area and the front chamber are kept in negative pressure, and if any abnormality is found, taking necessary measures, including, but not limited to, repair of the dust collector/exhauster, if something is found to be wrong with that work area or front chamber;
		(e) wetmoistening the specified building materials to be removed, by using a chemical solution or other agents, etc.;

(f) confirming that the dust collector/exhauster to be used works well, by using a device capable of measuring dust in a quick manner at the outlets of that dust collector/exhauster, both promptly after starting to the remove the specified building materialsal work on the day on which that removal is initially initiateding the removal of specified building materials at the work area isolated pursuant to the provisions of (a) above, and whenever necessary, such as if when there is a change in to the location where thate dust collector/exhauster is used after starting thate removal is startedwork of specified building materials on that day, or if when the filter installed on thate dust collector/exhauster is replaced, or at any other time when it is necessary, confirm that the dust collector/exhauster to be used works in order by using a device capable of promptly measuring dust at the outlet of the dust collector/exhauster; and if any abnormality is found, promptly stop the removal work and take necessary measures, including, but not limited to, repair of thate dust collector/exhauster, if something is found to be wrong with that dust collector/exhauster,;

		(g) confirming there is no risk of the specified particulates being emitted or dispersed into the atmosphere in when lifting the isolation of the work area after the removal of the specified construction materials, by spraying a chemical solution or other agents over the partarea from which those specified construction materials have been removed, to prevent the specified particulates from being dispersedscattering, and by sanitizingprocess specified particulates existing in the work area or otherwise processing those particulates still remaining theresuch as by cleaning them up, by doing so confirming there is no risk of specified particulates being emitted or discharged into the atmosphere. (h) in lifting the isolation of the work area after removal of specified construction materials, spraying a chemical solution or other agents over the partarea from which the specified construction materials have been removed, to prevent the specified particulates from scatteringbeing dispersed, and processing those specified particulates still remainingexisting in the work area, when lifting the isolation of the work area after the removal of those materials.
(ii)	Among work the tasks listed stated in Article 3-4, item (i) of the Order, work totasks for removinge asbestos-containing insulation materials, etc., and in which remove the specified building materials are removed by a method other than scraping, cutting or crushing them (excluding the tasks statedat listed in row (v))	Removinge specified building materials being used in a building or other structure, etc. subject to the task be constructed with specified particulates discharging work in compliance with the following requirements, or takinge any measures having an effect equal to or greater than that removalthe same or better efficiency than that:

		(a) perform curingcovering with tarpaulins in advancebeforehand around the partarea from which the specified building materials are to be removed (b) wetmoistening the specified building materials to be removed, by using a chemical solution or other agents, etc.; (c) when decommissioning the containment equipment after removal of specified construction materials, spraying a chemical solution or other agents over the partarea from which the specified construction materials have been removed, to prevent specified particulates from scatteringbeing dispersed, and sanitizing the work area or otherwise processing specified those particulates still existingremaining in the work area such as by cleaning them up.there, at the time of removing the tarpaulins from the covered area after removal of those specified construction materials
(ii i)	Among work the tasks statedlisted in Article 3-4, items (i) or (ii) of the Order, work totasks for removinge surface coatings containing asbestos (excluding that listedthe tasks stated in row (v))	Removinge the specified building materials being used in a building or other structure, etc. subject to be constructed with specified particulates discharging workthe task in compliance with the following requirements, or takinge any measures having an effect equal to or greater than that removalthe same or better efficiency than that: (a) wetmoistening the specified building materials to be removed, by using a chemical solution or other agents, etc. (excluding when the removal ofing specified building materials as set forthunder in (b) below) (b) taking the following measures, must be taken when removing the specified building materials by using power tools such as electric grinders:

		(1) covering with tarpaulins beforehand around the area around where the specified building materials are to be removed must be contained in advance. (2) moistening the specified building materials to be removed, by must be wetted using a chemical solution or other agents, etc. (c) specified particulates in the work area must be cleaned up sanitizing the specified particulates still remaining in the work area after the removal of the specified construction materials,. In this case, and if the work area has been covered with tarpaulins, sanitizing the work area or otherwise processing the specified particulates existing still remaining in the work area there at the time of removing the tarpaulins from the covered area such as by cleaning them up when containment equipment put in place is to be decommissioned.
(iv)	Among work listed the tasks stated in Article 3-4, items (i) or (ii) of the Order, work to tasks for removing molded boards or other construction materials containing asbestos (excluding spray-applied asbestos, asbestos-containing insulation materials, etc., and surface coatings containing asbestos; referred to as "molded boards or other materials containing asbestos, etc." in the right column of this section row) (excluding those task listed stated in rows (i) to through (iii) and in the following row.)	Removing specified building materials being used in a building or other structure, etc. subject to be constructed with specified particulates discharging work the task in compliance with the following requirements, or taking any measures having an effect equal to or greater than that removal the same or better efficiency than that: (a) taking away the sSpecified building materials must be taken away unchanged as they are, from the a building or other such structure without cutting through, crushing the specified building materialsthem, etc.

		(b) moistening the specified building materials to be removed (except those prescribed in (c) below), by using a chemical solution or other agents, wWhen removing specified buildingthose materials (except those stipulated in (c)) by the methods referred to in (a) above is technically significantly problematic difficult in terms of any technical aspects, or is inherently impractical in terms of the nature of the task which is being undertaken, as one which falls under the category of the tasks when carrying out the work as listedstated in Article 3-4, item (ii) is inherently impractical, the specified building materials to be removed must be wetted using chemical solution, etc.
		(c) Among molded boards containing asbestos, etc., taking the following measures, if the molded boards or other materials containing asbestos fall under the category of those must be taken when removing those which have been specified by the Minister of the Environment as being sources of emitting or dispersing specified particulates in relatively large quantities, and removing them by the methods referred to in (a) above is technically significantly difficult in terms of any technical aspects,problematic or when carrying out the work as listed in Article 3-4, item (ii) is inherently impractical in terms of the nature of the task which is being undertaken, as one which falls under the category of the tasks stated in Article 3-4, item (ii). (1) covering with tarpaulins beforehand around the area aroundfrom which where the specified building materials are to be removed must be contained in advance.

		(2) moistening the specified building materials to be removed, by must be wetted using a chemical solution or other agents etc.
(v)	Among the tasks work listedstated in Article 3-4, item (i) of the Order, that performed totasks for demolishing a building or other such structure in a condition dangerous for a person to enter, or other otherwise performed in cases wheretasks in which it is extremely difficult to remove the specified building materials beforehandin advance whenin demolishing a building or other such structure	(d) specified particulates in the work area must be cleaned up moistening the specified particulates still remaining in the work area after the removal of the specified construction materials,. In this caseand if the work area has been covered with tarpaulins, process specified particulates existing in the work area such as bysanitizing cleaning them up the work area or otherwise processing the specified particulates still remaining there at the time ofwhen removing the tarpaulins from the covered areacontainment equipment put in place is to be decommissioned. Spraying water over thea building or other such structure subject to be constructed with specified particulates discharging work the task, or take any measures having an effect equal to or greater than that spray the same or better efficiency than that.
(vi)	Among the tasks statedwork listed in Article 3-4, item (ii) of the Order, work tasks related to spray-applied asbestos or asbestos-containing insulation materials, etc.	Removingal or enclosure etc. of the specified building materials used in partthe area of a building or , etcother structure. subject to be constructed with specified particulates discharging workthe task, or enclosing or containing those materials, in compliance with the following requirements, or taking any measures having an effect equal to or greater than that removalthe same or better efficiency than those, enclosure, containment:

	(a) complying with the matters listed stated in (a) through (g) above of the right column of row (1) in cases wheref the specified building materials are to be removed by scraping, cutting, or crushing them, andor complying with the matters listed stated in (a) through (c) above of the right column of row (2) in cases wheref the specified building materials are to be removed by other methods;
	(b) when conducting enclosure etc. of specified building materials, confirming the degradation condition of the specified building materials , and their bonding condition of the specified building materials with the ground, when enclosing or containing those materials, and if the degradation is remarkable or the bonding with the ground is badnot well, then removinge the specified buildingthose materials.
	(c) the provisions of (a) through (g) above of the right column of row (1) are applicable shall be applied when carrying out the enclosing ure of spray-applied asbestos, or the enclosure, etc. ofing or containing asbestos-containing insulation materials, etc. (limited to the enclosure or containment in which where thethese building materials are cutting, crusheding, etc. of these building materials is involved) or when the containment ofing spray-applied asbestos. In this case, the phrase "removing" in (a) through (g) above of the right column of row (1) is read asdeemed to be replaced with "conducting enclosure etc.ing or containing" and the phrase "removal" is deemed to be replaced withread as "enclosure or containmentetc.".