

(Garuda Emblem)

Notification of Ministry of Industry**Re: Stack emission standard from industrial hazardous waste incinerator**

By the virtue of clause 16 of the Ministerial Regulation No. 2 (B.E. 2535 (1992)) issued pursuant to the Factory Act B.E. 2535 (1992) which contains some provisions concerning the limitation of the people rights and liberties that is permissible by the provisions of section 29 together with section 35, section 48 and section 50 of the Constitution of the Kingdom of Thailand, the Minister of Industry hereby issues the Ministerial Notification as follows:

Article 1 In this Notification,

“Industrial hazardous wastes” shall mean wastes or unusable materials, generating from a production process of a factory according to the Factory Act B.E. 2535 (1992), with the characteristics of hazardous waste according to the Notification of Ministry of Industry No.6 (B.E. 2540 (1997)) regarding disposal of waste issued pursuant to the Factory Act B.E. 2535 (1992).

“Industrial hazardous wastes incinerator” shall mean a system or equipment for disposal of industrial hazardous wastes by combustion, excluding industrial furnace using wastes in production process or as fuel.

Article 2 Stack emission from an industrial hazardous waste incinerator shall not exceed the prescribed values for each parameter as follows:

<u>No.</u>	<u>Parameter</u>	<u>Quantity of air pollutant</u>	
1.	Particulate	35	mg/m ³
2.	Hydrogen chloride	40	mg/m ³
3.	Carbon monoxide	115	mg/m ³
4.	Sulfur dioxide	80	mg/m ³
5.	Oxide of Nitrogen as NO ₂	150	mg/m ³
6.	Dioxins/Furans – TEQ	0.5	ng/m ³
7.	Mercury	0.1	mg/m ³
8.	Semi Volatile Metals such as cadmium, lead	0.2	mg/m ³
9.	Low Volatile Metals such as arsenic, beryllium, chromium	1	mg/m ³

Article 3 Determination of amount of each air pollutant emitted from industrial hazardous incinerator shall be calculated and adjusted to the condition at pressure of 1 ATM or 760 mmHg, temperature of 25 degree Celsius, on dry basis, and having volume of excess air at 50% or excess oxygen for combustion at 7%.

Article 4 Analysis for determination of amount of each air pollutant emitted from industrial hazardous incinerator shall be as follows:

(1) Measurement of particulate shall be performed using Determination of Particulate Emissions from Stationary Sources as specified by the United States Environmental Protection Agency or other methods approved by the Department of Industrial Works.

(2) Measurement of hydrogen chloride shall be performed using Determination of Hydrogen Chloride Emissions from Stationary Sources as specified by the United States Environmental Protection Agency or other methods approved by the Department of Industrial Works.

(3) Measurement of carbon monoxide shall be performed using Determination of Carbon Monoxide Emissions from Stationary Sources as specified by the United States Environmental Protection Agency or other methods approved by the Department of Industrial Works.

(4) Measurement of sulfur dioxide shall be performed using Determination of Sulfur Dioxide Emissions from Stationary Sources or the Method of Determination of Sulfuric Acid Mist and Sulfur Dioxide Emissions from Stationary Sources as specified by the United States Environmental Protection Agency or other methods approved by the Department of Industrial Works.

(5) Measurement of oxides of nitrogen in the form of nitrogen dioxide shall be performed using Determination of Nitrogen Oxide Emissions from Stationary Sources as specified by the United States Environmental Protection Agency or other methods approved by the Department of Industrial Works.

(6) Measurement of dioxins or furans shall be performed using Determination of Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans Emissions from Stationary Sources as specified by the United States Environmental Protection Agency or other methods approved by the Department of Industrial Works.

(7) Measurement of heavy metals shall be performed using Determination of Metals Emissions from Stationary Sources as specified by the United States Environmental Protection Agency or other methods approved by the Department of Industrial Works.

This shall, thus, enter into force on the day following the date of its publication in the Government Gazette.

Announced on the 2nd October B.E. 2545 (2002)

(signed) _____
(Mr.Suriya Juongrunreungkij)
Minister of Industry

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