

The Notification of the Ministry of Industry
“Emission Standard of a Cement Plant”
B.E. 2547 (2004)

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

“Cement Plant” means a factory engaging in cement production, which is grey cement and white cement.

“Old Cement Plant” means a cement plant that has applied or received an operation license or a plant-expansion license before 31 January 2004.

“New Cement Plant” means a cement plant that has applied or received an operation license or a plant-expansion license from 31 January 2004.

Article 2: Emission Standard of a Cement Plant

Type of Cement Plant	Emission Standard		
	Particulate (mg/m ³)	SO ₂ (ppm)	NO _x as NO ₂ (ppm)
1. Old cement plant that emit exhaust gas from the following units.			
1.1. Grey cement kiln	300	50	600
1.2. White cement kiln	300	600	600
1.3. Clinker cooler, clinker grinding mill, and coal grinding mill	200	-	-
2. New cement plant that emits exhaust gas from the following units:			
2.1. Grey cement kiln	120	50	500
2.2. White cement kiln	120	500	500
2.3. Clinker cooler, clinker grinding mill, and coal grinding mil	120	-	-

Article 3: Measurement of emission shall be carried out at a factory's stack during an operation time.

Article 4: Measurement of emission from a cement plant's stack shall follow the following methods:

(1) Particulate

- Determination of Particulate Emission from Stationary Sources of U.S. EPA; OR

- Other methods approved by DIW

(2) SO₂

- Determination of Sulfur Dioxide Emissions from Stationary Sources of U.S. EPA; OR

- Determination of Sulfuric Acid Mist and Sulfur Dioxide Emissions from Stationary Sources of U.S. EPA; OR

- Other methods approved by DIW

(2) NO_x as NO₂

- Determination of Nitrogen Oxide Emissions from Stationary Sources of U.S. EPA; OR

- Other methods approved by DIW

Article 5: Reference conditions are as follows:

(1) For a grey cement kiln and white cement kiln: reference condition is at 25 degree Celsius at 1 atm or 760 mmHg, excess air at 50% or excess O₂ at 7%, at dry basis.

(2) For a clinker cooler, clinker grinding mill, and coal grinding mill: reference condition is at the excess oxygen volume at actual condition.

Announced on June 2004
Mr. Pinit Jarusombat
Minister of Industry

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