

Royal Decree
Notification of Ministry of Natural Resources and Environment
Re Prescription of Standards on Control of Emission of Polluted Air from
Chemical Industrial Factory

Whereas it is deemed expedient to prescribe the standards on control of emission of polluted air from chemical industrial factory,

By virtue of Section 55 of the National Environments Quality Preservation and Promotion Act B.E. 2535 (1992), which is an Act containing certain provisions relating to the restriction of personal rights and freedom, for which Section 29 incorporating Section 33, Section 38, Section 41, and Section 43 of the Constitution of the Kingdom of Thailand provide that such can be made by virtue of the provisions of a law, the Minister of Natural Resources and Environments, with recommendation of the Pollution Control Board and with approval of the National Environments Commission, hereby issues a notification as follows:

No. 1. In this Notification,

"chemical industrial factory" means the factory of item no. 42 or item no. 44 under the law governing factory which produces, uses, or stores 1, 2-dichloroethane or vinyl chloride.

No. 2. The standards on control of concentration of emission of polluted air from a chemical industrial factory in the process of making vinyl chloride, including the storage of 1, 2-dichloroethane and vinyl chloride, shall be as follows:

- (1) 1, 2-dichloroethane must not exceed 5 milligrams per cubic metre.
- (2) vinyl chloride must not exceed 5 milligrams per cubic metre.

No. 3. The standards on control of total quantity of emission of polluted air from a chemical industrial factory within a period of 1 year shall be as follows:

Category of Production Process of Industrial Factory	1,2-dichloroethane	Vinyl Chloride
1. Production process of vinyl chloride, including storage of 1,2-dichloroethane and vinyl chloride in the production process.	Not exceeding 20 grams per 1 ton of 1,2-dichloroethane used in the production process.	Not exceeding 100 grams per 1 ton of vinyl chloride produced.
2. SPVC production process or production of PVC by means of suspension process.	-	Not exceeding 100 grams per 1 ton of S-PVC produced.
3. Paste PVC production process or production of PVC by means of emulsion process.	-	Not exceeding 2,000 grams per 1 ton of paste-PVC produced.

No. 4. A chemical industrial factory must control an emission of polluted air so that it be in accordance with the Notification of Ministry of Natural Resources and Environments Re Standards on Control of Emission of Polluted Air from Industrial Factory as well.

No. 5. In taking samples of polluted air under No. 2, it shall be collected at any stack or polluted air ventilation pipe of the chemical industrial factory by using an air sampling bag, and it shall be measured by the method of gas chromatography, or other method published by the Pollution Control Board in the Government Gazette.

No. 6. In making computation of polluted air from the chemical industrial factory under No. 2, it shall be made according to the following bases and conditions:

(1) In the case there is no combustion of fuel, computation shall be made at 1 atmospheric pressure or at 760 mmhg. at 25 degrees Celsius on a dry basis with the volume of actual oxygen at the time of measurement.

(2) In the case there is a combustion of fuel, computation shall be made at 1 atmospheric pressure or at 760 mmhg. at 25 degrees Celsius on a dry basis with the volume of oxygen excess at 7 percent.

No. 7. The sampling of polluted air, the measurement, and the computation of results under No. 3 shall be as published by the Pollution Control Board in the Government Gazette.

No. 8. This Notification shall be enforced on and from the day following the date of its publication in the Government Gazette onwards.

Notified this 8th day of July 2010

Suwit Khunkitti
Minister of Natural Resources and Environment

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