

CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC HEALTH  
AIR POLLUTION CONTROL BOARD

**AIR MANAGEMENT REGULATION VII**  
**CONTROL OF EMISSIONS OF NITROGEN**  
**OXIDES FROM STATIONARY SOURCES**

Approved By:

Air Pollution Control Board.....April 11, 1972  
Board of Health.....April 19, 1972  
Department of Law.....May 30, 1972  
Department of Records.....July 1, 1972

(CONTAINING AMENDMENTS AND REVISIONS THROUGH DECEMBER 20, 1985)

**REGULATION VII**  
**CONTROL OF EMISSIONS OF NITROGEN OXIDES**  
**FROM STATIONARY SOURCES**

**SECTION I. DEFINITIONS**

*Modification* - Any physical change in, or change in the method of operation of an affected facility which increases the amount of any air pollutant emitted by such facility or which results in the emission of any air pollutant not previously emitted. Routine maintenance and repair shall not be considered modifications.

*Fuel* - Any combustible matter.

*Fuel Burning Equipment* - Boilers, heaters, and other devices which burn fuel for lighting, or the generation of heat or power.

*Nitric Acid Plant* - Any facility producing, concentrating or processing Nitric Acid.

*Nitrogen Oxides* - All oxides of nitrogen except nitrous oxide (N<sub>2</sub>O).

*Person* - Any individual, natural person, syndicate, association, partnership, firm, corporation, institution, agency, authority, department, bureau, or instrumentality of federal, state or local government or other entity recognized by law as a subject of rights and duties.

**SECTION II. FUEL BURNING EQUIPMENT**

- A. This Section shall only apply to any fuel burning equipment equal to or greater than 250 million BTU per hour heat input, installed, reconstructed or modified on or after the effective date of this Regulation, except as provided in (D) below.
- B. No person shall permit, cause, suffer or allow the discharge into the atmosphere of nitrogen oxides from fuel burning equipment in excess of:
  - 1. 0.20 pounds per million BTU heat input maximum two (2) hour average when gaseous fuel is burned.
  - 2. 0.30 pounds per million BTU heat input maximum two (2) hour average when liquid or solid fuel is burned.
- C. Nitrogen oxides shall be expressed as nitrogen dioxide (NO<sub>2</sub>).
- D. The requirements of this Section shall not apply to fuel combustion turbines installed prior to July 1, 1984.

**SECTION III. NITRIC ACID PLANTS**

- A. No person shall permit, cause, suffer or allow the discharge into the atmosphere of nitrogen oxides from a Nitric Acid plant in excess of three (3) pounds per ton of acid produced, maximum two (2) hour average.
- B. No person shall permit, cause, suffer or allow a visible emission to the atmosphere of air contaminants from a Nitric Acid plant.
- C. Nitrogen Oxides shall be expressed as nitrogen dioxide (NO<sub>2</sub>).

#### **SECTION IV. EMISSIONS MONITORING**

An instrument or instruments for continuously monitoring and recording emissions of nitrogen oxides well maintained, in operation, and approved by the Department may be required by the Department of all sources governed by this Regulation.

#### **SECTION V. CIRCUMVENTION**

No person shall build, erect, install or use any article, machine, equipment or other contrivance, the sole purpose of which is to dilute or conceal an emission without resulting in a reduction in total release of air contaminants to the atmosphere.

#### **SECTION VI. SEVERABILITY**

The provisions of these Regulations are severable and if any provision, sentence, clause, section or part thereof shall be held illegal, invalid, unconstitutional or inapplicable to any person or circumstances, such illegality, invalidity, unconstitutionality or inapplicability shall not affect or impair any of the remaining provisions, sentences, clauses, sections or parts of the ordinance or their application to him or to other persons and circumstances. It is hereby declared to be the legislative intent that these regulations would have been adopted if such illegal, invalid, or unconstitutional provision, sentence, clause or part had not been included therein, and if the person or circumstances to which the ordinance or any part thereof is inapplicable had not specifically been exempted therefrom.

#### **SECTION VII. EFFECTIVE DATE**

Except as otherwise provided, this Regulation shall become effective upon adoption.