

**CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC HEALTH
AIR POLLUTION CONTROL BOARD**

**AIR MANAGEMENT REGULATION II
OF THE
AIR POLLUTION CONTROL BOARD**

AIR CONTAMINANT AND PARTICULATE MATTER EMISSIONS

SECTION I.

A. In addition to the previous citations, these Regulations are adopted pursuant to Title 3, Air Management Code, which reads in part as follows:

1. "Section 3-202, Open Fires.

No person shall ignite, burn or permit the continuation of the burning of garbage, refuse, or other waste material, demolition materials, leaves, grass, weeds, trees, batteries, wire, tires, cars, vehicles, or parts thereof, or any other combustible material in an open fire.

Any open burning for salvage purposes is prohibited. This requirement shall not apply to outdoor home cooking. A special exception may be made by order of the Commissioner of Health where the Fire Commissioner certifies an emergency exists which endangers the public safety, and the Health Commissioner finds that no practical alternative method of disposal of hazardous or flammable material exists. The conditions for allowing open fires shall be approved by both the Health and Fire Commissioners."

2. "Section 3-302, Power and Duties of the Air Pollution Control Board.

To promulgate regulations, implementing this Title, preventing degradation of air quality, preventing air pollution, eliminating air pollution nuisances and, limiting, controlling, or prohibiting the emission of air contaminants to the atmosphere from any sources.

Such regulations may include, but are not limited to, the following:

(a) The concentration, volume, weight, and other characteristics of emissions of air contaminants into the atmosphere, the circumstances under which such emissions are permitted and the degree of control of emissions of air contaminants required;

(b) the emissions of air contaminants to the atmosphere and related

actions which are prohibited;

- (c) the types and kinds of control measures and actions, equipment, storage and handling facilities, processes and systems, including specifications and/or performance requirements, which may be required to control emissions of air contaminants to the atmosphere;
- (d) the characteristics of fuels and wastes which may be combusted in the city, insofar as such characteristics may affect the emissions of air contaminants to the atmosphere;
- (e) the density, opacity and duration of discharges and emissions of air contaminants to the atmosphere which obscure and reflect light, and the establishment of methods for evaluating density, opacity, opacity, equivalent opacity or density."

- B. These Regulations control, and/or prohibit, the discharge or escape of certain air contaminants and particulate matter in the atmosphere.

SECTION II. OPEN FIRES

- A. No person shall ignite, burn or permit the continuation of the burning of garbage, refuse, or other waste material, demolition materials, leaves, grass, weeds, trees, batteries, wire, tires, cars, vehicles, or parts thereof, or any other combustible material in an open fire. Any open burning for salvage purposes is prohibited. Any person who operates, owns or controls premises where junk cars, demolition materials, refuse or other salvaged or waste materials are stored, processed or deposited, shall take all necessary measures to prevent fires and to extinguish any fires which may occur. Fire prevention measures shall include, among others, security measures to exclude unauthorized persons from entering upon the premises.

If a fire occurs when the premises are unattended, the Department may order fencing and/or a watchman to be employed by the owner, operator, or other person who controls the premises, for periods, when there are no other attendants.

- B. It shall be prima facie evidence that the person who owns or controls property on which open burning occurs has caused or permitted said open burning.

SECTION III. [Not in SIP]

SECTION IV. VISIBLE EMISSIONS

1. No person shall discharge into the atmosphere from any single source of emission whatsoever any air contaminant, except uncombined water,
 - a. for a period or periods aggregating more than three minutes in any one hour which
 - (1) is equal to or darker in shade than that designated as No. 1 on the Ringelmann Chart, as published by the U. S. Bureau of Mines, or
 - (2) is equal to or darker than a comparable standard using such other charts or devices as the Department determines to be equivalent thereto; or
 - b. for any period, which is equal to or darker than No. 3 on the Ringelmann Chart, or its equivalent; or
 - c. of such opacity as to obscure an observer's view to an equal or greater degree than either (a) or (b) above;
 - d. The provisions of (a) above, do not apply to incinerators. Incinerators are regulated under the provisions of Air Management Regulation XI, Control of Emissions from Incinerators.
2. The provisions of (1) above shall apply to visible emissions of air contaminants that are white, black, shades of grey or colored.
3. Trained employees certified by the Department may make observations to determine compliance with the provisions of (1) and (2) above without direct reference to standards.

SECTION V. PARTICULATE MATTER EMISSIONS FROM THE BURNING OF FUELS

No person shall cause, suffer, allow or permit to escape or to be discharged into the atmosphere any particulate matter resulting from the combustion of fuels in excess of the following rates:

1. From exiting units legally constructed or installed under provisions in effect prior to the adoption of these Regulations, particulate matter emissions shall not exceed 0.20 pounds per million BTU gross heat input, except as provided below.
2. From units constructed or installed after the effective date of this Regulation, and any units not covered by (1) above, particulate matter emissions shall not exceed

0.10 pounds per million BTU gross heat input.

3. From existing units burning anthracite coal for space heating purposes subject to Section III(A)(2)(c) of Regulation III, particulate matter emissions shall not exceed the applicable limits set forth in Chapter 123, Standards for Contaminants, Section 123.11, Particulate Matter Emissions-Combustion Units, of the Pennsylvania Air Pollution Control Regulations.
4. From existing industrial units approved by the Department pursuant to Section III(A.3) of Regulation III for conversion to coal as an alternative or supplemental fuel, particulate matter emissions shall not exceed 0.12 pounds per million BTU gross heat input after July 1, 1980, and 0.06 pounds per million BTU gross heat input after July 1, 1984.
5. This section does not apply to motorized vehicles nor to incinerators.

SECTION VI. SELECTION OF FUEL FOR PARTICULATE MATTER EMISSION CONTROL

The fuel used shall be compatible with the burning equipment and the furnace or boiler. Where there occur repeated violations of Sections IV or V, above, the Department may order the use of a specific alternate fuel.

SECTION VII. PARTICULATE MATTER EMISSIONS FROM CHEMICAL, METALLURGICAL, MECHANICAL AND OTHER PROCESSES

No person shall cause, suffer, allow or permit the discharge, emission or escape of particulate matter into the atmosphere from chemical, metallurgical, mechanical or other processes for any one hour period in excess of the amount shown in Table I.

SECTION VIII. FUGITIVE DUST

No person shall cause or permit the handling, transporting, storing or disposing of any substance or material which is likely to be scattered by the wind, or is susceptible to being wind-borne, without taking effective precautions or measures to prevent air contamination. No person shall operate or maintain, or allow or cause to be operated or maintained, any premises, open area, right of way, storage piles, or vehicle, or any construction, alterations, demolition, or wrecking operation, or any other enterprises, which involves any material or substance likely to be scattered by the wind, or susceptible to being wind-borne, without effective precautions or measures to prevent air contamination. No person shall maintain, conduct, or use, or cause to be maintained, conducted, or used, any parking lot, or similar areas, unless the lot, area, or roadway is maintained in such manner as to prevent air contamination.

TABLE I

Process Wt. /hr. (lbs.)	Maximum Weight Disch. /hr. (lbs.)	Process Wt. /hr. (lbs.)	Maximum Weight Disch. /hr. (lbs.)
50	.24	3300	5.36
100	.46	3400	5.44
150	.66	3500	5.52

200	.85	3600	5.61
250	1.03	3700	5.69
300	1.20	3800	5.77
350	1.35	3900	5.85
400	1.50	4000	5.93
450	1.63	4100	6.01
500	1.77	4200	6.08
550	1.89	4300	6.15
600	2.01	4400	6.22
650	2.12	4500	6.30
700	2.24	4600	6.37
750	2.34	4700	6.45
800	2.43	4800	6.52
850	2.53	4900	6.60
900	2.62	5000	6.67
950	2.72	5500	7.03
1000	2.80	6000	7.37
1100	2.97	6500	7.71
1200	3.12	7000	8.05
1300	3.26	7500	8.39
1400	3.40	8000	8.71
1500	3.54	8500	9.03
1600	3.66	9000	9.67
1700	3.79	10000	10.00
1800	3.91	11000	10.63
1900	4.03	12000	11.28
2000	4.14	13000	11.89
2100	4.24	14000	12.50
2200	4.34	15000	13.13
2300	4.44	16000	13.74
2400	4.55	17000	14.36
2500	4.64	18000	14.97
2600	4.74	19000	15.58
2700	4.84	20000	16.19
2800	4.92	30000	22.22

2900	5.02	40000	28.3
3000	5.10	50000	34.3
3100	5.18	60000	40.0
3200	5.27	or more	